

Illinois

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1997 Economic Census

Manufacturing

Geographic Area Series



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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

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

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

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

ALL-NEW INDUSTRY CLASSIFICATIONS

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

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

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

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

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

RELATIONSHIP TO SIC

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

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

GEOGRAPHIC AREA CODING

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

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

BASIS OF REPORTING

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

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

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

Special Tabulations

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

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

Manufacturing and Construction Division 301-457-4673
Service Sector Statistics Division 301-457-2668

HISTORICAL INFORMATION

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

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

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

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

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

SOURCES FOR MORE INFORMATION

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

ABBREVIATIONS AND SYMBOLS

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

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

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

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Manufacturing

SCOPE

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

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

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

GENERAL

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

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

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

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

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

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

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

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

GEOGRAPHIC AREAS COVERED

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

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

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

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

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

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

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

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The adoption of the North American Industry Classification System (NAICS) has had a major impact on the comparability of data between the 1992 and 1997 censuses. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past. If industries are not comparable between the two censuses, historic data are not shown. When applicable, Appendix G shows the product class and product comparability between the two systems.

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

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

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are published that would disclose the operations of an individual establishment or company. However, the number of establishments classified in a specific industry or geography is not considered a disclosure, and may be released even when other information is withheld.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

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

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

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

Table 1. Industry Statistics for the State: 1997

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

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
ILLINOIS													
31-33	Manufacturing	-	17 953	6 572	887 350	31 837 943	629 423	1 285 397	18 713 827	95 287 251	105 028 914	200 019 991	7 376 987
311	Food mfg.....	1	1 300	494	84 578	2 597 578	63 260	133 297	1 723 055	12 352 764	16 960 075	29 266 966	788 573
3111	Animal food mfg.....	-	76	26	2 021	68 310	1 208	2 765	40 314	408 218	595 921	1 002 390	20 267
31111	Animal food mfg.....	-	76	26	2 021	68 310	1 208	2 765	40 314	408 218	595 921	1 002 390	20 267
311111	Dog & cat food mfg....	-	9	3	616	27 090	462	1 168	21 589	213 011	141 469	356 298	5 994
311119	Other animal food mfg.....	1	67	23	1 405	41 220	746	1 597	18 725	195 207	454 452	646 092	14 273
3112	Grain & oilseed milling	1	58	45	7 658	309 390	5 545	12 826	211 613	2 572 845	5 558 572	8 088 333	280 399
31121	Flour milling & malt mfg ..	2	17	14	1 344	49 419	948	2 266	33 681	182 546	528 479	704 271	13 104
311211	Flour milling	2	15	12	g	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg	1	36	26	4 783	184 141	3 359	7 574	117 633	1 636 729	4 791 171	6 389 229	245 105
311221	Wet corn milling	4	4	4	1 330	62 056	972	41 441	808 133	1 186 458	1 965 079	1 965 079	144 952
311222	Soybean processing ..	-	18	12	2 090	72 588	1 412	3 178	44 350	517 737	2 767 024	3 281 184	53 967
311225	Fats & oils refining & blending.....	-	13	10	g	D	D	D	D	D	D	D	D
31123	Breakfast cereal mfg....	-	5	5	1 531	75 830	1 238	2 986	60 299	753 570	238 922	994 833	22 190
311230	Breakfast cereal mfg..	-	5	5	1 531	75 830	1 238	2 986	60 299	753 570	238 922	994 833	22 190
3113	Sugar & confectionery product mfg.....	-	92	38	11 791	384 359	9 811	20 987	290 726	1 949 722	1 265 696	3 204 404	105 947
31132	Chocolate & confectionery mfg from cacao beans	-	7	2	f	D	D	D	D	D	D	D	D
311320	Chocolate & confectionery mfg from cacao beans ...	-	7	2	f	D	D	D	D	D	D	D	D
31133	Confectionery mfg from purchased chocolate...	-	42	14	i	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate.....	-	42	14	i	D	D	D	D	D	D	D	D
31134	Nonchocolate confectionery mfg	-	42	22	6 000	194 599	5 100	10 024	147 599	1 008 292	598 076	1 594 999	57 711
311340	Nonchocolate confectionery mfg ...	-	42	22	6 000	194 599	5 100	10 024	147 599	1 008 292	598 076	1 594 999	57 711
3114	Fruit & vegetable preserving & specialty food mfg	1	82	37	8 106	208 550	6 746	15 072	149 788	783 031	843 444	1 630 943	65 573
31141	Frozen food mfg.....	1	37	13	4 686	114 143	4 090	8 803	82 223	393 173	471 403	868 616	43 188
311411	Frozen fruit, juice, & vegetable mfg.....	-	7	4	2 106	55 621	1 947	3 779	44 500	226 531	299 552	531 612	32 069
311412	Frozen specialty food mfg	2	30	9	2 580	58 522	2 143	5 024	37 723	166 642	171 851	337 004	11 119
31142	Fruit & vegetable canning, pickling, & drying	1	45	24	3 420	94 407	2 656	6 269	67 565	389 858	372 041	762 327	22 385
311421	Fruit & vegetable canning	1	31	17	2 086	59 669	1 751	4 329	41 417	229 220	226 931	457 256	12 739
311422	Specialty canning.....	5	8	3	378	9 653	326	737	7 025	38 467	28 207	66 602	D
311423	Dried & dehydrated food mfg	-	6	4	956	25 085	579	1 203	19 123	122 171	116 903	238 469	D
3115	Dairy product mfg	2	75	43	4 140	147 137	2 963	6 047	83 956	592 579	1 290 604	1 887 820	32 135
31151	Dairy product (except frozen) mfg	2	60	38	3 036	106 784	2 106	4 408	62 027	382 513	1 135 555	1 520 558	24 132
311511	Fluid milk mfg	3	25	18	1 610	66 231	1 040	2 200	35 650	241 123	679 120	920 579	13 477
311513	Cheese mfg	-	19	11	777	20 006	608	1 283	13 773	70 384	229 968	302 566	D
311514	Dry, condensed, & evaporated dairy product mfg.....	-	15	9	f	D	D	D	D	D	D	D	6 065
31152	Ice cream & frozen dessert mfg	3	15	5	1 104	40 353	857	1 639	21 929	210 066	155 049	367 262	8 003
311520	Ice cream & frozen dessert mfg	3	15	5	1 104	40 353	857	1 639	21 929	210 066	155 049	367 262	8 003
3116	Meat product mfg.....	1	198	98	16 707	467 421	13 712	29 371	336 130	1 343 826	3 655 501	5 010 274	61 862
31161	Animal slaughtering & processing.....	1	198	98	16 707	467 421	13 712	29 371	336 130	1 343 826	3 655 501	5 010 274	61 862
311611	Animal (except poultry) slaughtering	-	85	35	8 663	225 505	7 522	16 906	183 331	491 683	2 295 070	2 794 641	15 741
311612	Meat processed from carcasses	1	94	51	6 515	197 266	5 110	10 430	128 818	719 682	1 185 821	1 910 905	36 775
311613	Rendering & meat byproduct processing.....	2	10	6	281	9 453	139	351	4 088	42 320	50 888	93 564	3 303
311615	Poultry processing....	9	9	6	1 248	35 197	941	1 684	19 893	90 141	123 722	211 164	6 043
3117	Seafood product preparation & packaging..	3	5	3	249	6 155	191	333	3 029	15 295	37 474	52 744	1 127
31171	Seafood product preparation & packaging	3	5	3	249	6 155	191	333	3 029	15 295	37 474	52 744	1 127
311711	Seafood canning	-	2	2	c	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
311	Food mfg—Con.												
3118	Bakeries & tortilla mfg	1	543	119	22 011	630 608	14 550	28 098	387 446	2 671 068	1 598 304	4 256 943	120 922
31181	Bread & bakery product mfg	2	476	86	14 621	378 279	8 300	14 506	198 066	1 224 965	602 069	1 828 233	51 433
311811	Retail bakeries	4	351	32	3 087	42 010	1 813	2 501	22 174	88 846	47 314	134 690	10 095
311812	Commercial bakeries	2	117	51	11 187	327 098	6 201	11 458	169 905	1 116 196	537 751	1 656 664	40 090
311813	Frozen cakes, pies, & other pastries mfg	1	8	3	347	9 171	286	547	5 987	19 923	17 004	36 879	1 248
31182	Cookie, cracker, & pasta mfg	—	58	28	6 840	240 066	5 800	12 859	180 608	1 408 618	970 789	2 365 922	68 328
311821	Cookie & cracker mfg	—	28	19	5 032	181 852	4 293	9 326	139 651	1 089 499	659 817	1 735 186	59 265
311822	Flour mixes & dough mfg from purchased flour	1	15	7	1 539	50 895	1 306	3 108	36 268	289 555	282 244	572 084	8 648
311823	Dry pasta mfg	1	15	2	269	7 319	201	425	4 689	29 564	28 728	58 652	415
31183	Tortilla mfg	2	9	5	550	12 263	450	733	8 772	37 485	25 446	62 788	1 161
311830	Tortilla mfg	2	9	5	550	12 263	450	733	8 772	37 485	25 446	62 788	1 161
3119	Other food mfg	1	171	85	11 895	375 648	8 534	17 798	220 053	2 016 180	2 114 559	4 133 115	100 341
31191	Snack food mfg	2	26	14	1 510	34 867	1 186	2 330	22 618	142 901	171 745	314 977	11 369
311911	Roasted nuts & peanut butter mfg	3	7	5	418	8 872	285	529	5 270	27 472	66 081	93 984	2 326
311919	Other snack food mfg	1	19	9	1 092	25 995	901	1 801	17 348	115 429	105 664	220 993	9 043
31192	Coffee & tea mfg	—	9	6	576	17 707	419	751	10 144	99 102	227 950	325 499	4 056
311920	Coffee & tea mfg	—	9	6	576	17 707	419	751	10 144	99 102	227 950	325 499	4 056
31193	Flavoring syrup & concentrate mfg	—	13	5	916	28 260	271	493	6 126	63 383	54 019	119 601	6 493
311930	Flavoring syrup & concentrate mfg	—	13	5	916	28 260	271	493	6 126	63 383	54 019	119 601	6 493
31194	Seasoning & dressing mfg	2	44	23	3 937	156 818	2 719	5 969	92 253	1 032 590	1 112 065	2 146 483	42 703
311941	Mayonnaise, dressing, & other prepared sauce mfg	2	18	7	2 527	90 778	2 059	4 528	70 845	855 343	862 887	1 718 896	31 039
311942	Spice & extract mfg	—	26	16	1 410	66 040	660	1 441	21 408	177 247	249 178	427 587	11 664
31199	All other food mfg	1	79	37	4 956	137 996	3 939	8 255	88 912	678 204	548 780	1 226 555	35 720
311991	Perishable prepared food mfg	1	25	11	1 347	37 727	1 051	2 413	20 181	104 327	90 673	194 646	5 472
311999	All other miscellaneous food mfg	1	54	26	3 609	100 269	2 888	5 842	68 731	573 877	458 107	1 031 909	30 248
312	Beverage & tobacco product mfg	1	62	22	3 751	125 213	2 166	4 545	66 148	966 469	769 764	1 733 169	34 103
3121	Beverage mfg	2	60	21	h	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	2	37	18	3 174	106 373	1 812	3 946	53 793	411 235	694 126	1 102 053	24 828
312111	Soft drink mfg	2	19	14	2 650	93 147	1 650	3 613	50 316	379 270	685 831	1 061 629	23 722
312112	Bottled water mfg	—	5	4	e	D	D	D	D	D	D	D	D
31212	Breweries	6	12	1	c	D	D	D	D	D	D	D	999
312120	Breweries	6	12	1	c	D	D	D	D	D	D	D	999
3122	Tobacco mfg	—	2	1	e	D	D	D	D	D	D	D	D
31222	Tobacco product mfg	—	2	1	e	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg	—	2	1	e	D	D	D	D	D	D	D	D
313	Textile mills	3	80	11	1 287	39 946	1 025	2 082	26 237	81 852	113 998	194 271	6 265
3132	Fabric mills	3	35	5	421	9 734	344	697	6 294	21 378	22 131	43 201	1 415
31322	Narrow fabric mills & schiffli machine embroidery	1	10	2	210	4 170	176	351	2 699	8 649	6 459	14 831	317
313221	Narrow fabric mills	—	5	1	123	2 516	104	213	1 463	5 491	5 558	11 063	D
3133	Textile & fabric finishing & fabric coating mills	3	45	6	866	30 212	681	1 385	19 943	60 474	91 867	151 070	4 850
31331	Textile & fabric finishing mills	4	39	4	577	17 750	478	982	12 374	46 511	66 484	111 730	D
313311	Broadwoven fabric finishing mills	4	37	4	f	D	D	D	D	D	D	D	D
31332	Fabric coating mills	—	6	2	289	12 462	203	403	7 569	13 963	25 383	39 340	D
313320	Fabric coating mills	—	6	2	289	12 462	203	403	7 569	13 963	25 383	39 340	D
314	Textile product mills	2	265	60	5 278	115 290	4 053	7 678	71 670	248 196	248 083	500 749	12 350
3141	Textile furnishings mills	1	137	20	2 075	41 839	1 538	2 993	25 974	113 510	106 023	221 940	2 411
31411	Carpet & rug mills	—	2	1	c	D	D	D	D	D	D	D	D
314110	Carpet & rug mills	—	2	1	c	D	D	D	D	D	D	D	D
31412	Curtain & linen mills	1	135	19	g	D	D	D	D	D	D	D	D
314121	Curtain & drapery mills	2	109	6	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	1	26	13	1 254	26 205	883	1 769	15 904	79 601	71 909	154 113	1 191

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
314	Textile product mills—Con.												
3149	Other textile product mills . . .	3	128	40	3 203	73 451	2 515	4 685	45 696	134 686	142 060	278 809	9 939
31491	Textile bag & canvas mills	4	74	19	1 592	38 108	1 230	2 220	22 653	75 607	77 025	152 081	3 262
314911	Textile bag mills	—	15	6	594	13 422	491	899	7 767	22 660	30 147	52 869	599
314912	Canvas & related product mills	6	59	13	998	24 686	739	1 321	14 886	52 947	46 878	99 212	2 663
31499	All other textile product mills	3	54	21	1 611	35 343	1 285	2 465	23 043	59 079	65 035	126 728	6 677
314999	All other miscellaneous textile product mills . .	3	53	20	g	D	D	D	D	D	D	D	D
315	Apparel mfg	2	272	89	10 733	222 901	8 359	15 908	132 623	456 808	373 341	829 995	25 081
3151	Apparel knitting mills	—	16	8	692	14 054	594	1 092	9 795	25 413	22 371	46 750	623
31519	Other apparel knitting mills	—	13	8	660	13 713	565	1 058	9 518	24 839	21 682	45 487	580
315191	Outerwear knitting mills	—	12	7	f	D	D	D	D	D	D	D	580
3152	Cut & sew apparel mfg	3	168	55	7 351	144 721	5 920	11 673	98 029	304 110	154 743	452 525	18 718
31521	Cut & sew apparel contractors	8	78	18	2 338	37 349	2 070	4 032	29 659	59 372	13 530	72 348	3 592
315211	Men's & boys' cut & sew apparel contractors	8	8	3	303	9 798	250	822	5 846	14 386	1 316	15 682	409
315212	Women's, girls', & infants' cut & sew apparel contractors . .	8	70	15	2 035	27 551	1 820	3 210	23 813	44 986	12 214	56 666	3 183
31522	Men's & boys' cut & sew apparel mfg	1	29	14	3 025	68 745	2 196	4 748	41 980	138 599	78 100	209 013	12 398
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	1	11	6	2 151	52 560	1 507	3 422	32 384	108 226	45 118	145 773	D
315225	Men's & boys' cut & sew work clothing mfg	—	8	6	747	13 833	577	1 154	7 615	26 075	28 884	54 805	D
31523	Women's & girls' cut & sew apparel mfg	3	41	17	1 023	21 388	786	1 310	12 020	51 036	38 744	91 632	867
315231	Women's & girls' cut/ sew lingerie & nightwear mfg	1	5	3	186	3 383	126	214	1 878	6 698	6 421	12 975	185
315233	Women's & girls' cut & sew dress mfg	5	13	8	471	10 930	342	529	5 885	32 437	25 032	59 557	454
315234	Women's & girls' cut & sew suit, coat, skirt mfg	2	10	2	134	3 365	110	203	1 566	4 663	3 357	7 971	109
315239	Women's & girls' cut & sew other outerwear mfg	2	7	3	158	2 024	139	199	1 703	3 479	3 556	7 064	65
31529	Other cut & sew apparel mfg	3	20	6	965	17 239	868	1 583	14 370	55 103	24 369	79 532	1 861
315299	All other cut & sew apparel mfg	2	13	6	929	16 643	845	1 544	14 014	53 296	21 059	74 459	1 784
3159	Apparel accessories & other apparel mfg	1	88	26	2 690	64 126	1 845	3 143	24 799	127 285	196 227	330 720	5 740
31599	Apparel accessories & other apparel mfg	1	88	26	2 690	64 126	1 845	3 143	24 799	127 285	196 227	330 720	5 740
315991	Hat, cap, & millinery mfg	1	9	4	c	D	D	D	D	D	D	D	D
315992	Glove & mitten mfg	—	8	7	867	19 630	593	1 124	8 785	60 564	93 689	155 504	D
315999	Other apparel accessories & other apparel mfg	2	68	13	1 502	38 908	976	1 550	12 376	58 091	94 916	158 657	2 972
316	Leather & allied product mfg	—	52	17	2 760	59 226	2 403	5 030	40 255	133 973	131 992	262 255	6 067
3161	Leather & hide tanning & finishing	—	5	2	e	D	D	D	D	D	D	D	D
31611	Leather & hide tanning & finishing	—	5	2	e	D	D	D	D	D	D	D	D
316110	Leather & hide tanning & finishing	—	5	2	e	D	D	D	D	D	D	D	D
3162	Footwear mfg	—	7	3	f	D	D	D	D	D	D	D	D
31621	Footwear mfg	—	7	3	f	D	D	D	D	D	D	D	D
316211	Rubber & plastics footwear mfg	—	2	2	f	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	1	40	12	1 714	30 483	1 429	3 031	20 068	77 270	75 039	148 809	2 276
31699	Other leather & allied product mfg	1	40	12	1 714	30 483	1 429	3 031	20 068	77 270	75 039	148 809	2 276
316991	Luggage mfg	3	18	7	592	13 479	480	950	7 824	37 784	29 368	65 927	1 560
316993	Personal leather good (except women's handbag & purse) mfg	—	5	2	c	D	D	D	D	D	D	D	46
316999	All other leather good mfg	—	16	3	1 003	14 977	851	1 917	10 926	35 626	39 166	72 206	670

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
321	Wood product mfg	2	460	124	9 614	232 290	7 507	14 159	158 670	494 510	641 634	1 138 406	29 517
3211	Sawmills & wood preservation	1	66	9	617	14 581	527	943	11 200	36 642	68 772	102 625	2 314
32111	Sawmills & wood preservation	1	66	9	617	14 581	527	943	11 200	36 642	68 772	102 625	2 314
321113	Sawmills	3	57	4	415	8 870	362	591	6 873	17 307	23 217	40 528	1 601
321114	Wood preservation	—	9	5	202	5 711	165	352	4 327	19 335	45 555	62 097	713
3212	Veneer, plywood, & engineered wood product mfg	1	39	23	2 105	55 524	1 679	3 229	37 071	124 215	157 952	282 394	9 322
32121	Veneer, plywood, & engineered wood product mfg	1	39	23	2 105	55 524	1 679	3 229	37 071	124 215	157 952	282 394	9 322
321211	Hardwood veneer & plywood mfg	—	4	1	175	3 714	154	321	2 705	8 670	6 978	16 109	D
321214	Truss mfg	2	22	15	1 148	31 928	892	1 680	20 884	65 591	78 608	144 037	D
321219	Reconstituted wood product mfg	—	13	7	782	19 882	633	1 228	13 482	49 954	72 366	122 248	5 129
3219	Other wood product mfg	2	355	92	6 892	162 185	5 301	9 987	110 399	333 653	414 910	753 387	17 881
32191	Millwork	2	120	27	3 093	81 793	2 295	4 406	56 583	152 578	203 183	361 368	6 149
321911	Wood window & door mfg	2	55	15	2 200	56 044	1 570	2 976	38 226	111 418	149 481	266 804	4 340
321912	Cut stock, resawing lumber, & planing	6	17	2	203	3 972	172	308	3 159	7 172	8 981	16 241	547
321918	Other millwork (including flooring)	2	48	10	690	21 777	553	1 122	15 198	33 988	44 721	78 323	1 262
32192	Wood container & pallet mfg	2	115	34	1 776	34 759	1 489	2 704	24 336	73 617	96 357	169 619	5 829
321920	Wood container & pallet mfg	2	115	34	1 776	34 759	1 489	2 704	24 336	73 617	96 357	169 619	5 829
32199	All other wood product mfg	1	120	31	2 023	45 633	1 517	2 877	29 480	107 458	115 370	222 400	5 903
321992	Prefabricated wood building mfg	—	24	11	641	15 977	403	846	9 177	51 879	66 062	117 265	3 095
321999	All other miscellaneous wood product mfg	2	93	19	g	D	D	D	D	D	D	D	D
322	Paper mfg	—	372	263	28 968	1 015 158	21 417	46 143	647 550	2 828 666	3 054 927	5 872 807	172 283
3221	Pulp, paper, & paperboard mills	—	10	9	1 059	49 110	823	1 829	35 521	121 693	169 405	291 096	15 032
32212	Paper mills	—	4	3	322	18 427	240	598	13 330	47 957	57 652	106 718	D
322121	Paper (except newsprint) mills	—	3	2	c	D	D	D	D	D	D	D	D
322122	Newsprint mills	—	1	1	c	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	6	6	737	30 683	583	1 231	22 191	73 736	111 753	184 378	D
322130	Paperboard mills	—	6	6	737	30 683	583	1 231	22 191	73 736	111 753	184 378	D
3222	Converted paper product mfg	—	362	254	27 909	966 048	20 594	44 314	612 029	2 706 973	2 885 522	5 581 711	157 251
32221	Paperboard container mfg	—	197	154	16 601	598 351	12 675	27 804	387 401	1 490 948	1 892 165	3 384 158	88 041
322211	Corrugated & solid fiber box mfg	—	115	94	9 176	333 185	6 625	14 546	196 555	854 675	1 196 396	2 046 345	58 006
322212	Folding paperboard box mfg	—	53	39	4 916	196 749	3 924	8 858	137 318	449 489	498 615	955 906	21 638
322213	Setup paperboard box mfg	—	9	5	315	7 718	202	406	4 205	13 263	7 386	20 693	486
322214	Fiber can, tube, drum, & similar products mfg	1	16	12	681	19 613	539	1 178	13 983	45 857	68 817	115 075	3 239
322215	Nonfolding sanitary food container mfg	—	4	4	1 513	41 086	1 385	2 816	35 340	127 664	120 951	246 139	4 672
32222	Paper bag & coated & treated paper mfg	—	75	52	5 686	203 716	3 702	7 967	113 647	758 178	611 209	1 373 457	36 397
322221	Coated & laminated packaging paper & plastics film mfg	—	5	4	e	D	D	D	D	D	D	D	2 515
322222	Coated & laminated paper mfg	1	43	28	3 173	115 573	1 855	3 818	61 347	478 407	360 875	843 985	25 480
322223	Plastics, foil, & coated paper bag mfg	—	4	2	f	D	D	D	D	D	D	D	D
322224	Uncoated paper & multiwall bag mfg	—	11	9	872	25 365	724	1 695	20 282	82 030	86 804	168 883	2 032
322225	Laminated aluminum foil mfg for flexible packaging uses	—	7	6	276	10 530	211	445	6 278	30 188	38 260	68 099	1 999
322226	Surface-coated paperboard mfg	—	5	3	416	21 871	252	676	8 222	105 168	58 670	164 097	D
32223	Stationery product mfg	1	50	25	3 496	98 463	2 558	5 317	67 325	312 312	248 361	545 209	15 117
322231	Die-cut paper & paperboard office supplies mfg	2	20	7	f	D	D	D	D	D	D	D	D
322232	Envelope mfg	1	25	17	2 263	65 688	1 599	3 345	46 013	141 888	152 020	293 906	10 602
322233	Stationery, tablet, & related product mfg	—	5	1	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ILLINOIS—Con.												
	Manufacturing—Con.												
322	Paper mfg—Con.												
3222	Converted paper product mfg—Con.												
32229	Other converted paper product mfg.....	-	40	23	2 126	65 518	1 659	3 226	43 656	145 535	133 787	278 887	17 696
322291	Sanitary paper product mfg.....	-	5	1	e	D	D	D	D	D	D	D	D
322299	All other converted paper product mfg ...	-	35	22	g	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	2	2 403	549	59 748	2 100 627	43 798	87 905	1 307 835	4 624 098	3 266 878	7 859 665	370 783
3231	Printing & related support activities.....	2	2 403	549	59 748	2 100 627	43 798	87 905	1 307 835	4 624 098	3 266 878	7 859 665	370 783
32311	Printing.....	2	2 090	458	51 280	1 810 751	37 421	75 314	1 122 933	4 013 778	3 072 107	7 054 606	335 310
323110	Commercial lithographic printing ..	2	1 010	267	30 372	1 151 310	22 274	46 158	725 634	2 439 330	1 762 345	4 179 451	235 847
323111	Commercial gravure printing.....	2	32	8	3 129	102 130	2 728	5 748	80 247	232 793	197 816	429 792	8 032
323112	Commercial flexographic printing ..	2	66	25	2 642	90 247	1 839	3 952	52 960	225 541	207 703	431 674	15 045
323113	Commercial screen printing.....	2	160	38	2 587	66 677	1 833	3 273	34 692	127 231	81 659	208 165	13 234
323114	Quick printing.....	2	430	22	2 697	70 989	1 868	3 157	42 610	153 752	90 079	242 519	11 067
323115	Digital printing.....	1	24	3	192	5 201	132	268	3 368	13 395	6 578	20 132	771
323116	Manifold business form printing.....	-	67	33	3 322	114 521	2 318	4 377	70 199	286 241	360 266	644 806	11 695
323117	Book printing.....	-	52	20	2 334	71 809	1 674	3 009	43 475	152 343	100 929	252 211	18 958
323118	Blankbook, looseleaf binder, & device mfg ..	1	29	16	1 653	59 951	1 084	2 195	21 556	215 351	152 100	367 345	8 839
323119	Other commercial printing.....	5	220	26	2 352	77 916	1 671	3 177	48 192	167 801	112 632	278 511	11 822
32312	Support activities for printing.....	2	313	91	8 468	289 876	6 377	12 591	184 902	610 320	194 771	805 059	35 473
323121	Tradebinding & related work.....	1	77	35	4 003	91 821	3 114	6 206	58 471	202 104	80 194	282 646	7 651
323122	Prepress services	3	236	56	4 465	198 055	3 263	6 385	126 431	408 216	114 577	522 413	27 822
324	Petroleum & coal products mfg.....	-	93	34	5 414	274 343	3 370	8 546	159 664	1 961 488	7 500 105	9 445 672	222 770
3241	Petroleum & coal products mfg.....	-	93	34	5 414	274 343	3 370	8 546	159 664	1 961 488	7 500 105	9 445 672	222 770
32411	Petroleum refineries	-	12	8	3 253	186 887	2 048	5 771	114 096	1 447 553	6 854 148	8 300 181	200 011
324110	Petroleum refineries ..	-	12	8	3 253	186 887	2 048	5 771	114 096	1 447 553	6 854 148	8 300 181	200 011
32412	Asphalt paving, roofing, & saturated materials mfg.....	1	51	13	1 105	43 051	759	1 607	27 865	180 229	319 808	497 755	10 562
324121	Asphalt paving mixture & block mfg.....	2	33	4	288	13 216	210	430	8 408	45 653	132 551	180 022	5 255
324122	Asphalt shingle & coating materials mfg.....	1	18	9	817	29 835	549	1 177	19 457	134 576	187 257	317 733	5 307
32419	Other petroleum & coal products mfg.....	1	30	13	1 056	44 405	563	1 168	17 703	333 706	326 149	647 736	12 197
324191	Petroleum lubricating oil & grease mfg.....	1	26	12	f	D	D	D	D	D	D	D	D
324199	All other petroleum & coal products mfg ...	-	4	1	c	D	D	D	D	D	D	D	D
325	Chemical mfg.....	-	745	372	54 437	2 586 242	28 878	59 871	1 114 815	11 986 361	10 238 420	22 005 768	1 099 956
3251	Basic chemical mfg.....	-	122	71	7 286	345 259	4 553	9 601	195 384	1 655 508	2 143 707	3 793 394	160 479
32511	Petrochemical mfg.....	-	3	2	172	8 574	98	229	4 392	51 102	57 471	109 279	2 544
325110	Petrochemical mfg.....	-	3	2	172	8 574	98	229	4 392	51 102	57 471	109 279	2 544
32512	Industrial gas mfg.....	1	25	5	262	9 389	140	273	5 215	95 865	43 764	138 614	19 024
325120	Industrial gas mfg.....	1	25	5	262	9 389	140	273	5 215	95 865	43 764	138 614	19 024
32513	Dye & pigment mfg.....	1	11	9	675	27 129	504	1 206	21 034	89 069	107 136	193 996	8 118
325131	Inorganic dye & pigment mfg.....	2	7	5	391	15 433	275	692	12 355	48 527	58 457	107 301	5 658
325132	Synthetic organic dye & pigment mfg.....	-	4	4	284	11 696	229	514	8 679	40 542	48 679	86 695	2 460
32518	Other basic inorganic chemical mfg.....	-	33	23	2 405	113 767	1 567	3 304	63 559	437 031	373 788	807 397	40 371
325188	All other basic inorganic chemical mfg.....	-	33	23	2 405	113 767	1 567	3 304	63 559	437 031	373 788	807 397	40 371
32519	Other basic organic chemical mfg.....	-	50	32	3 772	186 400	2 244	4 589	101 184	982 441	1 561 548	2 544 108	90 422
325192	Cyclic crude & intermediate mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
325193	Ethyl alcohol mfg.....	-	5	4	f	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg.....	-	43	27	2 594	121 906	1 353	2 692	55 013	841 041	920 198	1 764 136	72 570
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg.....	-	46	32	3 966	197 508	2 598	5 718	122 270	993 091	1 615 755	2 604 260	168 512
32521	Resin & synthetic rubber mfg.....	-	44	32	h	D	D	D	D	D	D	D	D
325211	Plastics material & resin mfg.....	-	41	31	h	D	D	D	D	D	D	D	168 265

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ILLINOIS—Con.												
	Manufacturing—Con.												
325	Chemical mfg—Con.												
3253	Pesticide, fertilizer, & other agricultural chemical mfg	1	31	11	723	25 284	438	910	12 426	325 705	291 774	500 436	21 942
32531	Fertilizer mfg	1	23	6	431	12 607	235	516	5 744	75 753	97 814	172 242	9 173
325311	Nitrogenous fertilizer mfg	—	7	2	177	7 420	79	181	2 836	53 688	48 579	100 034	D
325314	Fertilizer (mixing only) mfg	3	16	4	254	5 187	156	335	2 908	22 065	49 235	72 208	D
32532	Pesticide & other agricultural chemical mfg	1	8	5	292	12 677	203	394	6 682	249 952	193 960	328 194	12 769
325320	Pesticide & other agricultural chemical mfg	1	8	5	292	12 677	203	394	6 682	249 952	193 960	328 194	12 769
3254	Pharmaceutical & medicine mfg	—	54	29	19 391	1 116 216	7 212	14 711	333 328	3 516 672	1 579 481	5 036 757	437 838
32541	Pharmaceutical & medicine mfg	—	54	29	19 391	1 116 216	7 212	14 711	333 328	3 516 672	1 579 481	5 036 757	437 838
325411	Medicinal & botanical mfg	—	11	5	f	D	D	D	D	D	D	D	43 425
325412	Pharmaceutical preparation mfg	1	32	17	2 174	81 526	1 078	2 227	32 939	678 329	302 437	984 571	D
325413	In-vitro diagnostic substance mfg	—	5	4	j	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) mfg	—	6	3	f	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg	—	163	84	7 090	285 041	4 123	8 443	131 484	1 368 684	1 475 923	2 835 345	61 392
32551	Paint & coating mfg	—	118	63	5 691	225 564	3 285	6 652	103 054	1 066 967	1 165 386	2 224 644	38 942
325510	Paint & coating mfg	—	118	63	5 691	225 564	3 285	6 652	103 054	1 066 967	1 165 386	2 224 644	38 942
32552	Adhesive mfg	1	45	21	1 399	59 477	838	1 791	28 430	301 717	310 537	610 701	22 450
325520	Adhesive mfg	1	45	21	1 399	59 477	838	1 791	28 430	301 717	310 537	610 701	22 450
3256	Soap, cleaning compound, & toilet preparation mfg	1	150	63	8 970	348 541	5 540	11 633	177 173	2 703 920	1 600 108	4 293 449	143 999
32561	Soap & cleaning compound mfg	1	111	38	4 696	196 667	2 921	6 490	106 510	1 402 248	1 097 813	2 510 460	84 641
325611	Soap & other detergent mfg	—	47	12	1 559	67 049	1 106	2 436	41 306	489 719	267 068	761 178	27 024
325612	Polish & other sanitation good mfg	1	47	15	1 595	50 225	897	1 981	20 982	574 650	300 150	881 236	9 668
325613	Surface active agent mfg	2	17	11	1 542	79 393	918	2 073	44 222	337 879	530 595	868 046	47 949
32562	Toilet preparation mfg	—	39	25	4 274	151 874	2 619	5 143	70 663	1 301 672	502 295	1 782 989	59 358
325620	Toilet preparation mfg	—	39	25	4 274	151 874	2 619	5 143	70 663	1 301 672	502 295	1 782 989	59 358
3259	Other chemical product mfg	2	179	82	7 011	268 393	4 414	8 855	142 750	1 422 781	1 531 672	2 942 127	105 794
32591	Printing ink mfg	1	46	23	g	D	D	D	D	D	D	D	16 409
325910	Printing ink mfg	1	46	23	g	D	D	D	D	D	D	D	16 409
32592	Explosives mfg	—	3	2	e	D	D	D	D	D	D	D	376
325920	Explosives mfg	—	3	2	e	D	D	D	D	D	D	D	376
32599	All other chemical product & preparation mfg	2	130	57	5 186	198 191	3 303	6 579	103 826	1 192 845	1 205 283	2 396 711	89 009
325991	Custom compounding of purchased resin	3	39	17	1 352	41 979	958	1 855	22 736	112 217	135 595	246 951	10 321
325992	Photographic film, paper, plate, & chemical mfg	—	24	8	834	26 821	526	1 091	14 197	70 257	129 604	199 417	10 300
325998	All other miscellaneous chemical product & preparation mfg	2	67	32	3 000	129 391	1 819	3 633	66 893	1 010 371	940 084	1 950 343	68 388
326	Plastics & rubber products mfg	1	959	542	68 009	2 117 213	53 662	111 497	1 418 841	5 742 450	5 576 083	11 326 026	543 015
3261	Plastics product mfg	1	836	488	56 668	1 669 280	44 720	92 125	1 084 113	4 682 894	4 407 302	9 080 521	453 979
32611	Unsupported plastics film, sheet, & bag mfg	1	93	59	8 095	273 181	5 898	13 370	169 927	907 294	1 006 196	1 922 575	106 357
326111	Unsupported plastics bag mfg	—	29	22	3 844	116 773	3 140	7 295	83 098	459 407	425 438	886 358	63 771
326112	Unsupported plastics packaging film & sheet mfg	—	14	10	1 115	48 504	786	1 877	28 620	104 303	171 042	272 723	10 844
326113	Unsupported plastics film & sheet (except packaging) mfg	2	50	27	3 136	107 904	1 972	4 198	58 209	343 584	409 716	763 494	31 742
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	1	57	32	2 956	89 487	2 175	4 384	57 720	193 999	194 309	388 048	14 050
326121	Unsupported plastics profile shape mfg	1	41	20	2 432	75 635	1 788	3 623	47 727	154 327	116 138	270 839	11 026
326122	Plastics pipe & pipe fitting mfg	1	16	12	524	13 852	387	761	9 993	39 672	78 171	117 209	3 024
32613	Laminated plastics plate, sheet, & shape mfg	—	35	8	997	28 997	682	1 363	15 547	99 654	114 683	214 402	5 080
326130	Laminated plastics plate, sheet, & shape mfg	—	35	8	997	28 997	682	1 363	15 547	99 654	114 683	214 402	5 080

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ILLINOIS—Con.													
31-33	Manufacturing—Con.												
326	Plastics & rubber products mfg—Con.												
3261	Plastics product mfg—Con.												
32614	Polystyrene foam product mfg.....	-	18	14	1 248	39 162	942	1 963	25 316	170 674	147 287	317 360	14 226
326140	Polystyrene foam product mfg.....	-	18	14	1 248	39 162	942	1 963	25 316	170 674	147 287	317 360	14 226
32615	Urethane & other foam product (except polystyrene) mfg.....	-	24	15	1 536	39 349	1 254	2 585	28 963	123 515	179 064	303 612	9 802
326150	Urethane & other foam product (except polystyrene) mfg.....	-	24	15	1 536	39 349	1 254	2 585	28 963	123 515	179 064	303 612	9 802
32616	Plastics bottle mfg.....	2	36	30	3 757	107 515	3 233	7 049	83 281	344 262	359 813	702 414	43 230
326160	Plastics bottle mfg.....	2	36	30	3 757	107 515	3 233	7 049	83 281	344 262	359 813	702 414	43 230
32619	Other plastics product mfg.....	1	573	330	38 079	1 091 589	30 536	61 411	703 359	2 843 496	2 405 950	5 232 110	261 234
326191	Plastics plumbing fixture mfg.....	-	18	7	e	D	D	D	D	D	D	D	D
326192	Resilient floor covering mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
326199	All other plastics product mfg.....	1	554	322	37 281	1 058 818	29 852	59 930	676 108	2 741 367	2 344 257	5 065 985	D
3262	Rubber product mfg.....	1	123	54	11 341	447 933	8 942	19 372	334 728	1 059 556	1 168 781	2 245 505	89 036
32621	Tire mfg.....	-	36	10	6 590	287 328	5 407	11 589	232 778	638 889	792 037	1 444 089	62 543
326211	Tire mfg (except retreading).....	-	9	4	6 103	275 826	5 061	10 836	225 855	617 446	755 717	1 385 889	61 699
326212	Tire retreading.....	3	27	6	487	11 502	346	753	6 923	21 443	36 320	58 200	844
32622	Rubber & plastics hoses & belting mfg.....	-	13	8	1 222	53 771	846	2 005	32 843	153 220	109 073	271 782	8 342
326220	Rubber & plastics hoses & belting mfg..	-	13	8	1 222	53 771	846	2 005	32 843	153 220	109 073	271 782	8 342
32629	Other rubber product mfg.....	1	74	36	3 529	106 834	2 689	5 778	69 107	267 447	267 671	529 634	18 151
326291	Rubber product mfg for mechanical use.....	2	30	15	1 757	48 662	1 354	3 048	33 048	120 469	79 221	198 428	11 265
326299	All other rubber product mfg.....	1	44	21	1 772	58 172	1 335	2 730	36 059	146 978	188 450	331 206	6 886
327	Nonmetallic mineral product mfg.....	1	642	242	19 088	641 490	14 844	29 846	447 652	1 801 674	1 385 373	3 197 783	157 158
3271	Clay product & refractory mfg.....	1	61	31	4 088	106 924	3 334	6 020	76 891	311 711	217 863	536 666	12 688
32711	Pottery, ceramics, & plumbing fixture mfg...	4	37	16	2 978	66 764	2 544	4 410	51 256	124 663	77 227	209 984	9 172
327111	Vitreous china plumbing fixture & bathroom accessories mfg.....	5	2	2	f	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, & other pottery product mfg..	5	24	9	1 778	31 813	1 488	2 529	22 186	57 417	41 129	100 944	5 249
327113	Porcelain electrical supply mfg.....	-	11	5	f	D	D	D	D	D	D	D	D
32712	Clay building material & refractories mfg.....	-	24	15	1 110	40 160	790	1 610	25 635	187 048	140 636	326 682	3 516
327121	Brick & structural clay tile mfg.....	-	2	2	c	D	D	D	D	D	D	D	D
327124	Clay refractory mfg...	-	12	9	674	23 480	516	1 087	17 653	122 115	112 716	235 246	2 364
327125	Nonclay refractory mfg.....	-	7	4	300	11 998	174	313	4 992	54 057	21 097	73 658	608
3272	Glass & glass product mfg.	-	74	20	3 409	122 212	2 858	5 895	93 451	384 652	218 449	603 640	41 117
32721	Glass & glass product mfg.....	-	74	20	3 409	122 212	2 858	5 895	93 451	384 652	218 449	603 640	41 117
327211	Flat glass mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
327212	Other pressed & blown glass & glassware mfg.....	7	17	1	c	D	D	D	D	D	D	D	578
327213	Glass container mfg..	-	5	5	1 462	55 233	1 304	2 603	47 219	164 659	83 094	251 267	D
327215	Glass product mfg made of purchased glass.....	2	50	12	1 141	30 969	897	1 821	18 938	77 992	58 166	135 468	4 684
3273	Cement & concrete product mfg.....	2	371	125	7 624	276 721	5 803	11 873	194 297	733 739	663 952	1 394 173	75 358
32731	Cement mfg.....	-	15	4	559	23 253	420	867	15 497	131 928	70 431	202 279	9 153
327310	Cement mfg.....	-	15	4	559	23 253	420	867	15 497	131 928	70 431	202 279	9 153
32732	Ready-mix concrete mfg.	2	224	77	4 328	159 566	3 501	6 916	123 447	382 509	429 430	811 955	43 503
327320	Ready-mix concrete mfg.....	2	224	77	4 328	159 566	3 501	6 916	123 447	382 509	429 430	811 955	43 503
32733	Concrete pipe, brick, & block mfg.....	-	51	23	1 314	49 031	899	1 900	26 887	119 997	98 470	216 251	13 278
327331	Concrete block & brick mfg.....	-	28	9	528	19 268	349	665	9 239	56 519	43 095	99 255	9 908
327332	Concrete pipe mfg....	-	23	14	786	29 763	550	1 235	17 648	63 478	55 375	116 996	3 370

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	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
327	Nonmetallic mineral product mfg—Con.												
3273	Cement & concrete product mfg—Con.												
32739	Other concrete product mfg	1	81	21	1 423	44 871	983	2 190	28 466	99 305	65 621	163 688	9 424
327390	Other concrete product mfg	1	81	21	1 423	44 871	983	2 190	28 466	99 305	65 621	163 688	9 424
3274	Lime & gypsum product mfg	—	17	7	386	13 792	313	741	10 759	54 190	59 516	113 407	1 855
32741	Lime mfg	—	3	3	c	D	D	D	D	D	D	D	D
327410	Lime mfg	—	3	3	c	D	D	D	D	D	D	D	D
32742	Gypsum product mfg	1	14	4	c	D	D	D	D	D	D	D	D
327420	Gypsum product mfg	1	14	4	c	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg	1	119	59	3 581	121 841	2 536	5 317	72 254	317 382	225 593	549 897	26 140
32791	Abrasive product mfg	—	35	25	1 608	53 853	1 121	2 388	27 857	131 252	78 691	217 743	4 876
327910	Abrasive product mfg	—	35	25	1 608	53 853	1 121	2 388	27 857	131 252	78 691	217 743	4 876
32799	All other nonmetallic mineral product mfg	2	84	34	1 973	67 988	1 415	2 929	44 397	186 130	146 902	332 154	21 264
327991	Cut stone & stone product mfg	1	34	8	384	12 182	270	580	8 169	23 445	13 184	36 474	D
327992	Ground or treated mineral & earth mfg	1	20	10	553	23 198	353	810	13 279	67 990	57 828	124 769	11 814
327993	Mineral wool mfg	—	6	4	262	7 972	209	351	4 538	20 987	18 524	39 906	D
327999	All other miscellaneous nonmetallic mineral product mfg	4	24	12	774	24 636	583	1 188	18 411	73 708	57 366	131 005	7 821
331	Primary metal mfg	—	325	210	39 306	1 533 212	31 297	67 511	1 098 523	4 164 993	6 738 616	10 875 537	308 657
3311	Iron & steel mills & ferroalloy mfg	—	19	18	10 903	483 485	9 001	19 444	379 548	1 193 019	2 397 775	3 583 475	139 735
33111	Iron & steel mills & ferroalloy mfg	—	19	18	10 903	483 485	9 001	19 444	379 548	1 193 019	2 397 775	3 583 475	139 735
331111	Iron & steel mills	—	19	18	10 903	483 485	9 001	19 444	379 548	1 193 019	2 397 775	3 583 475	139 735
3312	Steel product mfg from purchased steel	—	59	43	5 759	244 697	4 175	8 959	153 443	890 637	1 536 490	2 429 447	47 365
33121	Iron & steel pipes & tubes mfg from purchased steel	—	22	20	2 579	128 558	1 852	4 144	69 914	421 826	710 296	1 154 701	25 843
331210	Iron & steel pipes & tubes mfg from purchased steel	—	22	20	2 579	128 558	1 852	4 144	69 914	421 826	710 296	1 154 701	25 843
33122	Rolling & drawing of purchased steel	—	37	23	3 180	116 139	2 323	4 815	83 529	468 811	826 194	1 274 746	21 522
331221	Cold-rolled steel shape mfg	—	15	8	1 503	68 511	1 127	2 466	50 049	332 067	659 405	983 257	10 315
331222	Steel wire drawing	—	22	15	1 677	47 628	1 196	2 349	33 480	136 744	166 789	291 489	11 207
3313	Alumina & aluminum production & processing	—	22	18	3 174	124 894	2 499	5 519	87 629	394 830	675 387	1 049 828	19 863
33131	Alumina & aluminum production & processing	—	22	18	3 174	124 894	2 499	5 519	87 629	394 830	675 387	1 049 828	19 863
331314	Secondary smelting & alloying of aluminum	—	9	6	338	13 470	239	577	8 435	54 636	137 215	189 923	1 895
331315	Aluminum sheet, plate, & foil mfg	—	3	3	1 057	54 770	822	1 911	40 644	161 959	325 850	477 384	10 791
331316	Aluminum extruded product mfg	—	5	5	1 306	42 138	1 071	2 390	30 983	92 978	115 712	207 483	4 384
331319	Other aluminum rolling & drawing	—	5	4	473	14 516	367	641	7 567	85 257	96 610	175 038	2 793
3314	Nonferrous metal (except aluminum) production & processing	—	44	33	6 328	247 303	4 848	10 812	165 523	702 569	1 443 328	2 148 281	41 593
33141	Nonferrous metal (except aluminum) smelting & refining	—	6	5	681	22 074	486	957	13 265	72 637	141 740	212 048	5 007
331419	Other nonferrous metal primary smelting & refining	—	6	5	681	22 074	486	957	13 265	72 637	141 740	212 048	5 007
33142	Copper rolling, drawing, extruding, & alloying	—	18	15	4 445	186 593	3 424	7 910	128 662	525 676	1 077 269	1 605 983	29 455
331421	Copper rolling, drawing, & extruding	—	10	8	3 384	146 122	2 685	6 281	105 457	406 135	653 686	1 059 211	18 154
331422	Copper wire (except mechanical) drawing	—	3	2	e	D	D	D	D	D	D	D	5 408
331423	Secondary smelting, refining, & alloying of copper	—	5	5	f	D	D	D	D	D	D	D	5 893
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	—	20	13	1 202	38 636	938	1 945	23 596	104 256	224 319	330 250	7 131
331491	Other nonferrous metal rolling, drawing, & extruding	—	15	11	1 056	33 708	841	1 773	21 570	97 195	189 223	286 005	6 266
331492	Other nonferrous metal secondary smelting, refining, & alloying	—	5	2	146	4 928	97	172	2 026	7 061	35 096	44 245	865

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

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ILLINOIS—Con.													
31-33	Manufacturing—Con.												
331	Primary metal mfg—Con.												
3315	Foundries	-	181	98	13 142	432 833	10 774	22 777	312 380	983 938	685 636	1 664 506	60 101
33151	Ferrous metal foundries ..	-	58	33	6 094	211 467	4 964	10 096	155 059	518 545	318 734	832 591	26 783
331511	Iron foundries	-	38	25	3 944	146 035	3 109	6 134	101 764	357 699	227 877	582 547	20 730
331512	Steel investment foundries	-	2	2	c	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment)	-	18	6	g	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	1	123	65	7 048	221 366	5 810	12 681	157 321	465 393	366 902	831 915	33 318
331521	Aluminum die-casting foundries	1	29	19	2 767	85 434	2 317	5 180	62 379	169 598	160 313	330 795	12 720
331522	Nonferrous (except aluminum) die-casting foundries	-	22	17	2 259	70 420	1 823	3 828	48 687	161 407	121 215	282 349	12 373
331524	Aluminum foundries (except die-casting) ..	1	35	11	939	29 265	764	1 769	20 196	64 162	36 994	101 025	4 010
331525	Copper foundries (except die-casting) ..	3	26	12	785	25 938	690	1 444	20 226	46 799	32 647	79 291	3 421
331528	Other nonferrous foundries (except die-casting)	5	11	6	298	10 309	216	460	5 833	23 427	15 733	38 455	794
332	Fabricated metal product mfg	-	3 782	1 376	133 216	4 547 701	101 554	210 889	2 959 768	10 550 843	8 144 235	18 666 908	732 081
3321	Forging & stamping	-	357	195	20 294	733 699	15 915	34 338	494 764	1 666 887	1 573 392	3 222 666	138 725
33211	Forging & stamping	-	357	195	20 294	733 699	15 915	34 338	494 764	1 666 887	1 573 392	3 222 666	138 725
332111	Iron & steel forging	2	41	24	2 449	90 997	1 861	3 890	62 275	183 182	166 847	347 253	17 162
332112	Nonferrous forging	-	8	5	959	41 935	696	1 654	31 724	118 409	99 802	216 041	12 994
332114	Custom roll forming	-	25	13	1 290	41 512	946	2 031	27 092	107 285	106 756	212 935	4 204
332115	Crown & closure mfg	-	8	3	655	22 275	562	1 186	17 905	58 740	59 276	118 208	8 776
332116	Metal stamping	-	264	143	13 798	495 033	10 928	23 552	326 105	1 118 602	1 096 267	2 203 740	81 200
332117	Powder metallurgy part mfg	-	11	7	1 143	41 947	922	2 025	29 663	80 669	44 444	124 489	14 389
3322	Cutlery & handtool mfg	1	129	53	6 655	215 014	5 038	10 280	135 441	523 360	308 863	840 629	31 397
33221	Cutlery & handtool mfg ..	1	129	53	6 655	215 014	5 038	10 280	135 441	523 360	308 863	840 629	31 397
332211	Cutlery & flatware (except precious) mfg	1	8	4	283	7 152	234	403	4 982	23 146	10 153	33 782	1 525
332212	Hand & edge tool mfg ..	1	106	42	5 002	168 977	3 722	7 688	104 639	372 199	204 828	590 630	23 549
332213	Saw blade & handsaw mfg	2	10	2	337	9 517	266	602	6 400	20 103	13 692	33 745	3 134
332214	Kitchen utensil, pot, & pan mfg	-	5	5	1 033	29 368	816	1 587	19 420	107 912	80 190	182 472	3 189
3323	Architectural & structural metals mfg	-	534	219	19 645	633 193	14 230	29 961	382 338	1 651 860	1 382 950	3 034 005	69 630
33231	Plate work & fabricated structural product metal ..	-	196	78	7 793	252 353	5 708	11 784	156 897	690 784	685 057	1 377 569	22 199
332311	Prefabricated metal building & component mfg	-	20	10	1 674	51 113	1 414	2 735	40 945	174 019	278 710	455 607	3 177
332312	Fabricated structural metal mfg	-	121	44	4 258	139 881	2 900	6 041	76 276	404 007	320 048	723 155	13 158
332313	Plate work mfg	-	55	24	1 861	61 359	1 394	3 008	39 676	112 758	86 299	198 807	5 864
33232	Ornamental & architectural metal products mfg	-	338	141	11 852	380 840	8 522	18 177	225 441	961 076	697 893	1 656 436	47 431
332321	Metal window & door mfg	-	63	20	2 805	85 123	1 881	4 246	45 188	200 049	184 568	384 961	6 589
332322	Sheet metal work mfg ..	-	196	93	6 556	217 629	4 897	10 081	132 360	568 567	361 199	927 974	34 353
332323	Ornamental & architectural metal work mfg	1	79	28	2 491	78 088	1 744	3 850	47 893	192 460	152 126	343 501	6 489
3324	Boiler, tank, & shipping container mfg	-	100	45	4 913	186 490	3 832	8 242	129 790	418 495	668 367	1 092 583	20 804
33241	Power boiler & heat exchanger mfg	-	24	8	637	19 410	452	837	11 295	46 048	25 704	73 205	1 588
332410	Power boiler & heat exchanger mfg	-	24	8	637	19 410	452	837	11 295	46 048	25 704	73 205	1 588
33242	Metal tank (heavy gauge) mfg	-	23	10	730	28 162	514	1 092	16 211	54 938	46 464	102 305	1 608
332420	Metal tank (heavy gauge) mfg	-	23	10	730	28 162	514	1 092	16 211	54 938	46 464	102 305	1 608
33243	Metal can, box, & other metal container (light gauge) mfg	1	53	27	3 546	138 918	2 866	6 313	102 284	317 509	596 199	917 073	17 608
332431	Metal can mfg	-	25	15	2 216	89 201	1 855	3 954	72 982	216 255	463 980	682 561	9 888
332439	Other metal container mfg	1	28	12	1 330	49 717	1 011	2 359	29 302	101 254	132 219	234 512	7 720
3325	Hardware mfg	1	70	39	7 149	230 561	5 346	10 348	135 738	577 851	383 984	975 901	36 640
33251	Hardware mfg	1	70	39	7 149	230 561	5 346	10 348	135 738	577 851	383 984	975 901	36 640
332510	Hardware mfg	1	70	39	7 149	230 561	5 346	10 348	135 738	577 851	383 984	975 901	36 640

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3326	Spring & wire product mfg .	-	182	84	7 083	218 491	5 580	10 978	135 825	463 815	360 309	813 210	27 318
33261	Spring & wire product mfg	-	182	84	7 083	218 491	5 580	10 978	135 825	463 815	360 309	813 210	27 318
332611	Spring (heavy gauge) mfg	-	18	9	975	32 489	798	1 618	24 895	65 835	63 838	128 957	3 347
332612	Spring (light gauge) mfg	1	51	26	2 096	69 971	1 726	3 635	47 388	144 905	106 126	248 769	8 969
332618	Other fabricated wire product mfg	-	113	49	4 012	116 031	3 056	5 725	63 542	253 075	190 345	435 484	15 002
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	1 620	436	35 022	1 235 142	27 231	56 773	829 978	2 603 183	1 417 570	4 000 441	218 600
33271	Machine shops	1	1 252	254	18 204	641 686	14 198	28 933	430 908	1 219 309	568 507	1 773 876	101 939
332710	Machine shops	1	1 252	254	18 204	641 686	14 198	28 933	430 908	1 219 309	568 507	1 773 876	101 939
33272	Turned product & screw, nut, & bolt mfg	1	368	182	16 818	593 456	13 033	27 840	399 070	1 383 874	849 063	2 226 565	116 661
332721	Precision turned product mfg	2	233	105	7 842	258 927	6 378	13 518	180 042	587 815	240 325	823 398	55 429
332722	Bolt, nut, screw, rivet, & washer mfg	-	135	77	8 976	334 529	6 655	14 322	219 028	796 059	608 738	1 403 167	61 232
3328	Coating, engraving, heat treating, & allied activities .	1	432	169	12 640	405 831	9 796	20 203	260 002	856 576	512 344	1 366 774	87 156
33281	Coating, engraving, heat treating, & allied activities	1	432	169	12 640	405 831	9 796	20 203	260 002	856 576	512 344	1 366 774	87 156
332811	Metal heat treating	1	46	24	1 600	58 736	1 232	2 837	40 070	134 397	49 425	185 286	39 089
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	-	118	59	4 726	147 116	3 712	7 350	100 617	349 012	303 866	646 878	24 586
332813	Electroplating, plating, polishing, anodizing, & coloring	1	268	86	6 314	199 979	4 852	10 016	119 315	373 167	159 053	534 610	23 481
3329	Other fabricated metal product mfg	-	358	136	19 815	689 280	14 586	29 766	455 892	1 788 816	1 536 456	3 320 699	101 811
33291	Metal valve mfg	-	79	50	7 007	253 079	4 694	9 971	150 475	702 959	577 236	1 280 290	34 153
332911	Industrial valve mfg	-	31	19	2 733	93 559	1 675	3 720	57 597	248 571	146 203	401 967	12 791
332912	Fluid power valve & hose fitting mfg	-	24	12	1 186	38 833	839	1 844	23 451	129 335	113 045	239 194	5 465
332913	Plumbing fixture fitting & trim mfg	-	8	6	1 608	61 032	1 051	2 063	36 447	164 059	176 875	336 010	9 977
332919	Other metal valve & pipe fitting mfg	1	16	13	1 480	59 655	1 129	2 344	32 980	160 994	141 113	303 119	5 920
33299	All other fabricated metal product mfg	-	279	86	12 808	436 201	9 892	19 795	305 417	1 085 857	959 220	2 040 409	67 658
332991	Ball & roller bearing mfg	-	13	10	2 309	84 367	1 903	3 902	67 458	224 990	176 241	403 254	21 224
332992	Small arms ammunition mfg	-	6	3	g	D	D	D	D	D	D	D	D
332996	Fabricated pipe & pipe fitting mfg	1	37	12	1 020	31 945	800	1 492	19 230	61 034	56 153	117 505	4 111
332997	Industrial pattern mfg	-	54	10	717	25 676	566	1 156	18 790	41 157	12 643	53 221	3 339
332998	Enameled iron & metal sanitary ware mfg	-	3	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	-	160	45	5 675	177 720	4 488	8 798	125 280	500 487	511 778	1 015 973	22 409
333	Machinery mfg	-	2 202	826	115 408	4 793 663	77 019	158 555	2 799 281	13 216 153	12 878 578	26 221 019	711 429
3331	Agriculture, construction, & mining machinery mfg	-	146	71	24 818	1 223 444	17 115	36 321	776 363	4 665 022	5 335 946	10 045 709	228 851
33311	Agricultural implement mfg	-	71	34	11 384	531 343	8 204	18 478	367 115	1 989 414	1 841 092	3 732 117	121 397
333111	Farm machinery & equipment mfg	-	66	31	j	D	D	D	D	D	D	D	D
333112	Lawn & garden tractor & home lawn & garden equipment mfg	-	5	3	f	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	-	51	29	12 740	667 626	8 409	16 931	393 475	2 583 288	3 446 941	6 180 920	104 495
333120	Construction machinery mfg	-	51	29	12 740	667 626	8 409	16 931	393 475	2 583 288	3 446 941	6 180 920	104 495
33313	Mining & oil & gas field machinery mfg	-	24	8	694	24 475	502	912	15 773	92 320	47 913	132 672	2 959
333131	Mining machinery & equipment mfg	-	18	8	662	23 558	482	880	15 299	90 708	46 943	130 236	2 657

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg—Con.												
3332	Industrial machinery mfg ..	1	273	108	10 524	410 820	6 025	11 876	201 333	963 430	895 352	1 862 947	48 025
33321	Sawmill & woodworking machinery mfg	2	15	4	267	7 674	153	331	4 050	19 191	10 363	29 210	566
333210	Sawmill & woodworking machinery mfg	2	15	4	267	7 674	153	331	4 050	19 191	10 363	29 210	566
33322	Plastics & rubber industry machinery mfg	—	28	10	1 094	40 277	655	1 316	17 735	83 095	101 558	184 776	6 267
333220	Plastics & rubber industry machinery mfg	—	28	10	1 094	40 277	655	1 316	17 735	83 095	101 558	184 776	6 267
33329	Other industrial machinery mfg	1	230	94	9 163	362 869	5 217	10 229	179 548	861 144	783 431	1 648 961	41 192
333291	Paper industry machinery mfg	1	16	4	269	10 780	109	203	3 683	18 106	19 735	36 875	1 621
333292	Textile machinery mfg ..	1	10	4	536	15 703	392	745	10 515	34 457	27 142	60 137	1 141
333293	Printing machinery & equipment mfg	—	70	29	2 795	105 996	1 218	2 540	45 697	225 361	189 445	409 008	6 298
333294	Food product machinery mfg	—	42	21	1 941	82 570	1 251	2 476	46 307	183 625	186 687	375 382	8 593
333298	All other industrial machinery mfg	1	89	34	3 534	142 974	2 186	4 146	70 215	391 291	353 109	751 965	23 090
3333	Commercial & service industry machinery mfg ..	—	171	78	9 147	332 619	4 931	10 023	135 845	797 993	751 724	1 503 851	35 217
33331	Commercial & service industry machinery mfg	—	171	78	9 147	332 619	4 931	10 023	135 845	797 993	751 724	1 503 851	35 217
333311	Automatic vending machine mfg	5	11	4	211	6 019	145	312	3 137	15 275	9 896	25 415	615
333312	Commercial laundry, drycleaning, & pressing machine mfg	—	9	6	398	13 175	317	498	7 955	31 364	27 705	59 837	138
333313	Office machinery mfg ..	—	17	10	2 271	89 267	713	1 446	19 390	144 728	179 614	320 661	11 354
333314	Optical instrument & lens mfg	5	15	3	164	6 761	114	220	4 385	11 844	5 633	17 697	939
333315	Photographic & photocopying equipment mfg	1	30	9	503	17 780	272	510	7 109	58 932	34 715	90 198	1 696
333319	Other commercial & service industry machinery mfg	—	89	46	5 600	199 617	3 370	7 037	93 869	535 850	494 161	990 043	20 475
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1	103	56	8 094	249 763	5 887	10 824	143 532	632 187	699 078	1 332 007	32 460
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	1	103	56	8 094	249 763	5 887	10 824	143 532	632 187	699 078	1 332 007	32 460
333411	Air purification equipment mfg	3	27	12	1 231	34 061	796	1 244	15 826	76 286	83 982	164 002	4 608
333412	Industrial & commercial fan & blower mfg	3	16	10	1 390	45 533	938	1 755	24 366	95 234	75 977	170 859	5 442
333414	Heating equipment (except warm air furnaces) mfg	—	17	8	1 173	43 918	756	1 535	21 046	113 523	72 864	185 571	4 568
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	—	43	26	4 300	126 251	3 397	6 290	82 294	347 144	466 255	811 575	17 842
3335	Metalworking machinery mfg	2	969	253	23 034	964 363	16 241	35 490	613 888	1 903 515	1 040 339	2 977 001	126 584
33351	Metalworking machinery mfg	2	969	253	23 034	964 363	16 241	35 490	613 888	1 903 515	1 040 339	2 977 001	126 584
333511	Industrial mold mfg ...	1	277	64	4 102	195 395	3 231	7 291	140 536	337 744	127 982	465 610	30 982
333512	Machine tool (metal cutting types) mfg ...	6	36	17	2 840	116 758	1 631	3 911	64 229	194 555	204 075	396 492	11 800
333513	Machine tool (metal forming types) mfg ...	1	26	20	2 421	105 695	1 463	3 061	59 716	263 815	145 654	416 687	12 634
333514	Special die & tool, die set, jig, & fixture mfg ..	2	388	87	6 168	260 978	4 838	9 967	177 651	470 229	207 778	674 427	34 009
333515	Cutting tool & machine tool accessory mfg ..	—	189	40	5 281	190 207	3 755	8 303	121 187	425 922	208 228	625 919	26 890
333516	Rolling mill machinery & equipment mfg	1	9	3	191	6 434	127	280	4 074	11 070	8 295	19 251	2 211
333518	Other metalworking machinery mfg	2	44	22	2 031	88 896	1 196	2 677	46 495	200 180	138 327	378 615	8 058
3336	Engine, turbine, & power transmission equipment mfg	—	71	47	11 539	524 195	8 137	15 842	330 133	1 797 996	1 746 670	3 610 590	108 475

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ILLINOIS—Con.												
	Manufacturing—Con.												
333	Machinery mfg—Con.												
3336	Engine, turbine, & power transmission equipment mfg—Con.												
33361	Engine, turbine, & power transmission equipment mfg.....	-	71	47	11 539	524 195	8 137	15 842	330 133	1 797 996	1 746 670	3 610 590	108 475
333612	Speed changer, industrial high-speed drive, & gear mfg....	-	34	21	2 379	96 543	1 665	3 412	58 537	218 485	113 722	334 960	12 080
333613	Mechanical power transmission equipment mfg.....	-	20	13	2 761	99 088	1 881	3 650	58 693	218 787	175 761	401 759	13 561
333618	Other engine equipment mfg.....	-	17	13	6 399	328 564	4 591	8 780	212 903	1 360 724	1 457 187	2 873 871	82 834
3339	Other general-purpose machinery mfg.....	-	469	213	28 252	1 088 459	18 683	38 179	598 187	2 456 010	2 409 469	4 888 914	131 817
33391	Pump & compressor mfg.....	-	53	29	5 311	198 216	3 242	6 997	103 523	467 650	350 881	839 994	22 716
333911	Pump & pumping equipment mfg.....	-	28	19	2 781	110 579	1 519	3 158	51 678	203 659	218 971	446 891	12 967
333912	Air & gas compressor mfg.....	1	23	9	g	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg.....	1	107	48	5 100	196 782	3 472	7 535	113 203	393 187	661 609	1 061 112	24 799
333921	Elevator & moving stairway mfg.....	4	20	11	814	31 830	586	1 321	18 747	65 751	85 676	153 471	3 997
333922	Conveyor & conveying equipment mfg.....	1	54	20	1 978	81 756	1 194	2 511	40 739	154 329	134 047	289 193	6 742
333923	Overhead traveling crane, hoist, & monorail system mfg.	-	11	7	535	18 672	294	614	8 604	35 376	34 172	69 689	1 587
333924	Industrial truck, tractor, trailer, & stacker machinery mfg.....	-	22	10	1 773	64 524	1 398	3 089	45 113	137 731	407 714	548 759	12 473
33399	All other general-purpose machinery mfg.....	-	309	136	17 841	693 461	11 969	23 647	381 461	1 595 173	1 396 979	2 987 808	84 302
333991	Power-driven handtool mfg.....	1	22	6	561	19 132	415	858	12 214	66 098	79 851	144 869	1 607
333992	Welding & soldering equipment mfg.....	-	13	10	620	23 679	420	942	13 005	56 708	52 178	106 643	2 706
333993	Packaging machinery mfg.....	1	61	31	3 949	160 080	2 124	4 028	65 936	330 485	254 850	586 325	19 381
333994	Industrial process furnace & oven mfg..	1	27	10	1 219	38 401	897	1 713	20 383	95 500	56 119	150 114	3 046
333995	Fluid power cylinder & actuator mfg.....	-	36	19	5 112	239 576	3 752	7 586	156 724	554 412	432 806	989 666	25 196
333996	Fluid power pump & motor mfg.....	-	11	6	1 702	56 717	1 351	2 595	37 296	140 656	167 536	310 224	8 285
333997	Scale & balance (except laboratory) mfg.....	-	7	5	572	16 086	371	751	7 509	27 384	88 971	115 460	1 127
333999	All other miscellaneous general-purpose machinery mfg.....	1	132	49	4 106	139 790	2 639	5 174	68 394	323 930	264 668	584 507	22 954
334	Computer & electronic product mfg.....	-	770	350	76 625	3 085 770	42 657	83 156	1 118 591	8 288 831	8 112 519	16 281 686	968 528
3341	Computer & peripheral equipment mfg.....	-	54	12	2 630	101 267	776	1 675	20 104	302 416	218 391	522 768	34 508
33411	Computer & peripheral equipment mfg.....	-	54	12	2 630	101 267	776	1 675	20 104	302 416	218 391	522 768	34 508
334119	Other computer peripheral equipment mfg.....	-	34	10	2 457	96 194	700	1 497	17 736	292 405	204 625	498 889	33 498
3342	Communications equipment mfg.....	-	100	42	30 794	1 599 701	14 567	28 690	496 284	4 580 001	5 623 749	10 080 394	702 861
33421	Telephone apparatus mfg.....	-	31	13	5 457	283 872	2 414	4 983	65 344	1 089 512	502 728	1 578 124	D
334210	Telephone apparatus mfg.....	-	31	13	5 457	283 872	2 414	4 983	65 344	1 089 512	502 728	1 578 124	D
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	-	45	19	22 932	1 237 023	10 642	20 727	395 906	3 326 706	4 978 531	8 196 655	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	-	45	19	22 932	1 237 023	10 642	20 727	395 906	3 326 706	4 978 531	8 196 655	D
33429	Other communications equipment mfg.....	-	24	10	2 405	78 806	1 511	2 980	35 034	163 783	142 490	305 615	D
334290	Other communications equipment mfg.....	-	24	10	2 405	78 806	1 511	2 980	35 034	163 783	142 490	305 615	D
3343	Audio & video equipment mfg.....	-	30	11	1 376	46 886	767	1 430	16 645	149 020	115 883	263 139	6 874
33431	Audio & video equipment mfg.....	-	30	11	1 376	46 886	767	1 430	16 645	149 020	115 883	263 139	6 874
334310	Audio & video equipment mfg.....	-	30	11	1 376	46 886	767	1 430	16 645	149 020	115 883	263 139	6 874

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3344	Semiconductor & other electronic component mfg	1	330	169	21 726	568 403	16 182	30 615	320 352	1 168 124	969 843	2 133 302	88 405
33441	Semiconductor & other electronic component mfg	1	330	169	21 726	568 403	16 182	30 615	320 352	1 168 124	969 843	2 133 302	88 405
334411	Electron tube mfg	—	9	4	h	D	D	D	D	D	D	D	D
334412	Bare printed circuit board mfg	2	87	53	5 034	134 502	3 826	7 931	85 817	282 016	210 352	490 526	29 636
334413	Semiconductor & related device mfg	6	25	6	407	12 729	248	369	4 849	38 797	18 531	57 360	9 599
334415	Electronic resistor mfg	1	6	4	363	8 369	267	523	4 642	18 467	7 513	26 122	1 252
334416	Electronic coil, transformer, & other inductor mfg	—	59	35	2 907	60 700	2 318	4 510	35 278	129 204	101 328	229 390	8 090
334417	Electronic connector mfg	5	15	9	1 549	46 021	1 123	2 209	27 771	94 572	54 938	150 355	5 870
334418	Printed circuit assembly (electronic assembly) mfg	1	23	17	1 691	42 053	1 209	2 376	21 741	85 802	86 227	174 311	4 790
334419	Other electronic component mfg	—	100	40	5 017	147 322	3 455	6 028	69 431	420 560	237 660	653 204	19 357
3345	Navigational, measuring, medical, & control instruments mfg	—	218	103	17 112	685 758	8 042	16 054	208 257	1 696 290	983 637	2 682 019	89 686
33451	Navigational, measuring, medical, & control instruments mfg	—	218	103	17 112	685 758	8 042	16 054	208 257	1 696 290	983 637	2 682 019	89 686
334510	Electromedical & electrotherapeutic apparatus mfg	—	20	10	1 811	62 313	922	1 935	21 830	137 613	60 434	204 197	6 568
334511	Search, detection, navigation, & guidance instrument mfg	—	14	8	3 526	185 712	1 054	2 107	34 580	398 932	140 943	531 553	37 204
334512	Automatic environmental control mfg	—	13	7	2 010	56 248	1 275	1 918	28 959	213 641	137 585	343 799	9 647
334513	Industrial process control instrument mfg	1	41	23	2 489	99 662	1 204	2 408	31 504	249 472	151 672	400 025	7 538
334514	Totalizing fluid meter & counting device mfg	—	13	7	923	29 182	556	996	11 860	78 972	34 870	113 324	3 387
334515	Electricity measuring & testing instrument mfg	1	29	17	1 703	62 574	842	1 797	19 419	168 413	94 883	262 102	10 470
334516	Analytical laboratory instrument mfg	3	19	6	e	D	D	D	D	D	D	D	D
334517	Irradiation apparatus mfg	—	22	11	1 971	79 609	1 076	2 373	30 060	180 306	170 691	357 567	6 361
334518	Watch, clock, & part mfg	—	13	2	g	D	D	D	D	D	D	D	D
334519	Other measuring & controlling device mfg	1	34	12	1 155	47 502	482	893	12 592	132 126	90 937	223 776	3 959
3346	Mfg & reproducing magnetic & optical media	—	38	13	2 987	83 755	2 323	4 692	56 949	392 980	201 016	600 064	46 194
33461	Mfg & reproducing magnetic & optical media	—	38	13	2 987	83 755	2 323	4 692	56 949	392 980	201 016	600 064	46 194
334612	Prerecorded CD (except software), tape, & record reproducing	—	30	11	2 510	70 814	1 904	3 793	47 885	360 265	185 646	551 777	43 479
334613	Magnetic & optical recording media mfg	2	5	2	e	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	—	486	259	49 247	1 615 344	34 232	68 154	869 291	4 015 118	3 638 061	7 668 050	298 095
3351	Electric lighting equipment mfg	1	88	43	6 070	193 590	4 289	8 485	95 503	500 133	395 150	893 603	74 283
33511	Electric lamp bulb & part mfg	—	6	4	862	26 630	777	1 586	23 205	56 751	26 010	81 372	D
335110	Electric lamp bulb & part mfg	—	6	4	862	26 630	777	1 586	23 205	56 751	26 010	81 372	D
33512	Lighting fixture mfg	1	82	39	5 208	166 960	3 512	6 899	72 298	443 382	369 140	812 231	D
335121	Residential electric lighting fixture mfg	1	32	16	2 807	101 607	1 800	3 677	38 270	297 854	215 696	512 872	32 296
335122	Commercial/industrial/institutional electric lighting fixture mfg	—	23	12	1 573	42 425	1 087	2 044	19 839	89 542	93 104	183 341	D
335129	Other lighting equipment mfg	1	27	11	828	22 928	625	1 178	14 189	55 986	60 340	116 018	2 022

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg—Con.												
3352	Household appliance mfg...	-	28	20	8 016	248 539	6 242	12 664	166 503	567 773	775 777	1 373 162	28 595
33521	Small electrical appliance mfg	-	13	5	1 449	45 854	943	2 083	27 816	108 071	153 681	258 889	11 956
335211	Electric housewares & household fan mfg...	-	12	4	f	D	D	D	D	D	D	D	D
335212	Household vacuum cleaner mfg	-	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance mfg	-	15	15	6 567	202 685	5 299	10 581	138 687	459 702	622 096	1 114 273	16 639
335221	Household cooking appliance mfg	-	11	11	h	D	D	D	D	D	D	D	13 399
335222	Household refrigerator & home freezer mfg..	-	2	2	h	D	D	D	D	D	D	D	D
335224	Household laundry equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
335228	Other major household appliance mfg	-	1	1	e	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	215	106	16 693	544 392	11 324	22 393	277 322	1 395 678	1 180 719	2 544 723	87 162
33531	Electrical equipment mfg	-	215	106	16 693	544 392	11 324	22 393	277 322	1 395 678	1 180 719	2 544 723	87 162
335311	Power, distribution, & specialty transformer mfg	-	24	15	2 464	69 671	1 697	3 463	32 247	248 751	171 540	413 254	12 176
335312	Motor & generator mfg	1	41	24	2 739	78 874	2 005	4 184	47 070	241 610	166 943	408 780	7 785
335313	Switchgear & switchboard apparatus mfg	-	49	27	6 297	231 629	4 429	9 617	133 700	536 705	421 068	960 878	40 510
335314	Relay & industrial control mfg	-	101	40	5 193	164 218	3 193	5 129	64 305	368 612	421 168	761 811	26 691
3359	Other electrical equipment & component mfg	-	155	90	18 468	628 823	12 377	24 612	329 963	1 551 534	1 286 415	2 856 562	108 055
33591	Battery mfg	-	13	5	956	31 978	820	1 779	22 015	97 717	179 028	275 744	1 698
335911	Storage battery mfg...	-	13	5	956	31 978	820	1 779	22 015	97 717	179 028	275 744	1 698
33592	Communication & energy wire & cable mfg	-	15	13	2 930	114 606	1 650	3 745	49 731	419 835	279 558	711 908	35 594
335929	Other communication & energy wire mfg ...	-	14	12	h	D	D	D	D	D	D	D	35 594
33593	Wiring device mfg	-	59	42	11 155	376 816	7 731	14 621	212 104	801 201	570 150	1 377 603	61 882
335931	Current-carrying wiring device mfg	-	38	29	8 888	293 885	6 120	11 261	161 954	592 954	382 419	978 431	39 948
335932	Noncurrent-carrying wiring device mfg	-	21	13	2 267	82 931	1 611	3 360	50 150	208 247	187 731	399 172	21 934
33599	All other electrical equipment & component mfg	1	68	30	3 427	105 423	2 176	4 467	46 113	232 781	257 679	491 307	8 881
335999	All other miscellaneous electrical equipment & component mfg	1	63	30	3 376	104 092	2 139	4 409	45 225	229 316	254 743	484 819	8 587
336	Transportation equipment mfg	-	450	238	60 238	2 295 287	46 271	89 745	1 568 080	7 059 801	11 731 012	18 807 542	651 025
3361	Motor vehicle mfg	-	19	5	10 210	566 352	9 256	16 596	492 452	2 948 599	6 492 365	9 458 115	207 672
33611	Automobile & light duty motor vehicle mfg	-	19	5	10 210	566 352	9 256	16 596	492 452	2 948 599	6 492 365	9 458 115	207 672
336111	Automobile mfg	-	12	5	10 179	565 508	9 228	16 563	491 741	2 945 421	6 485 642	9 448 185	207 464
3362	Motor vehicle body & trailer mfg	-	46	26	4 248	117 184	3 365	6 666	82 366	228 170	483 457	735 324	31 721
33621	Motor vehicle body & trailer mfg	-	46	26	4 248	117 184	3 365	6 666	82 366	228 170	483 457	735 324	31 721
336211	Motor vehicle body mfg	1	23	10	1 363	48 915	951	1 980	30 306	93 062	109 255	204 672	D
336212	Truck trailer mfg	-	11	9	2 491	59 162	2 107	3 997	45 936	116 927	352 046	490 228	4 459
336213	Motor home mfg	-	1	1	c	D	D	D	D	D	D	D	D
336214	Travel trailer & camper mfg	2	11	6	e	D	D	D	D	D	D	D	471
3363	Motor vehicle parts mfg ...	-	278	153	30 464	971 514	23 893	45 833	656 538	2 496 993	2 834 091	5 366 217	322 120
33631	Motor vehicle gasoline engine & engine parts mfg	1	35	14	2 789	76 948	2 028	3 410	47 574	258 470	199 880	455 398	20 491
336312	Gasoline engine & engine parts mfg	1	31	13	2 733	75 650	1 981	3 339	46 586	255 337	197 844	450 244	20 320
33632	Motor vehicle electrical & electronic equipment mfg	-	69	32	7 726	191 465	5 896	11 064	117 876	569 006	608 076	1 180 005	58 374
336321	Vehicular lighting equipment mfg	-	10	6	2 065	55 857	1 711	3 517	40 526	158 218	158 533	317 114	D
336322	Other motor vehicle electrical & electronic equipment mfg	-	59	26	5 661	135 608	4 185	7 547	77 350	410 788	449 543	862 891	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ILLINOIS—Con. Manufacturing—Con.												
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg—Con.												
33633	Motor vehicle steering & suspension component (except spring) mfg	1	8	3	359	9 763	297	704	6 801	24 006	23 817	47 416	2 954
336330	Motor vehicle steering & suspension component (except spring) mfg	1	8	3	359	9 763	297	704	6 801	24 006	23 817	47 416	2 954
33634	Motor vehicle brake system mfg	—	14	8	1 893	62 793	1 547	3 370	43 173	139 422	203 935	353 345	7 748
336340	Motor vehicle brake system mfg	—	14	8	1 893	62 793	1 547	3 370	43 173	139 422	203 935	353 345	7 748
33635	Motor vehicle transmission & power train parts mfg	—	22	8	2 296	80 862	1 820	3 286	56 106	214 799	165 182	387 216	16 059
336350	Motor vehicle transmission & power train parts mfg	—	22	8	2 296	80 862	1 820	3 286	56 106	214 799	165 182	387 216	16 059
33636	Motor vehicle seating & interior trim mfg	—	10	6	875	24 775	681	1 523	15 888	79 643	176 319	256 677	3 847
336360	Motor vehicle seating & interior trim mfg	—	10	6	875	24 775	681	1 523	15 888	79 643	176 319	256 677	3 847
33637	Motor vehicle metal stamping	—	48	38	5 177	245 834	4 263	8 686	182 973	565 888	624 025	1 195 667	136 895
336370	Motor vehicle metal stamping	—	48	38	5 177	245 834	4 263	8 686	182 973	565 888	624 025	1 195 667	136 895
33639	Other motor vehicle parts mfg	1	72	44	9 349	279 074	7 361	13 790	186 147	645 759	832 857	1 490 493	75 752
336391	Motor vehicle air-conditioning mfg	—	4	4	1 119	41 217	896	1 640	27 540	83 337	175 674	270 916	D
336399	All other motor vehicle parts mfg	1	68	40	8 230	237 857	6 465	12 150	158 607	562 422	657 183	1 219 577	D
3364	Aerospace product & parts mfg	—	30	16	5 685	286 527	2 716	6 088	119 412	690 448	400 101	1 040 464	52 373
33641	Aerospace product & parts mfg	—	30	16	5 685	286 527	2 716	6 088	119 412	690 448	400 101	1 040 464	52 373
336411	Aircraft mfg	9	2	1	c	D	D	D	D	D	D	D	D
336412	Aircraft engine & engine parts mfg	1	9	4	g	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	—	18	10	3 964	215 700	1 385	3 115	64 960	564 561	313 682	831 788	40 544
3365	Railroad rolling stock mfg	—	38	23	5 998	276 439	3 995	8 930	161 509	526 902	1 282 031	1 809 064	27 472
33651	Railroad rolling stock mfg	—	38	23	5 998	276 439	3 995	8 930	161 509	526 902	1 282 031	1 809 064	27 472
336510	Railroad rolling stock mfg	—	38	23	5 998	276 439	3 995	8 930	161 509	526 902	1 282 031	1 809 064	27 472
3366	Ship & boat building	—	16	5	1 488	35 218	1 246	2 176	25 119	77 260	122 366	199 985	3 552
33661	Ship & boat building	—	16	5	1 488	35 218	1 246	2 176	25 119	77 260	122 366	199 985	3 552
336611	Ship building & repairing	—	3	1	c	D	D	D	D	D	D	D	D
336612	Boat building	—	13	4	g	D	D	D	D	D	D	D	D
3369	Other transportation equipment mfg	—	23	10	2 145	42 053	1 800	3 456	30 684	91 429	116 601	198 373	6 115
33699	Other transportation equipment mfg	—	23	10	2 145	42 053	1 800	3 456	30 684	91 429	116 601	198 373	6 115
336991	Motorcycle, bicycle, & parts mfg	—	10	7	2 009	38 933	1 697	3 250	28 718	85 142	107 922	183 753	5 469
336999	All other transportation equipment mfg	5	12	3	c	D	D	D	D	D	D	D	646
337	Furniture & related product mfg	1	844	178	19 933	558 584	15 172	29 683	350 643	1 351 423	1 144 400	2 512 115	54 982
3371	Household & institutional furniture & kitchen cabinet mfg	2	582	84	8 263	203 779	6 605	12 321	137 566	435 114	378 536	814 401	16 252
33711	Wood kitchen cabinet & counter top mfg	2	323	30	3 656	95 118	2 953	5 624	66 139	201 430	142 691	345 193	7 165
337110	Wood kitchen cabinet & counter top mfg	2	323	30	3 656	95 118	2 953	5 624	66 139	201 430	142 691	345 193	7 165
33712	Household & institutional furniture mfg	3	259	54	4 607	108 661	3 652	6 697	71 427	233 684	235 845	469 208	9 087
337121	Upholstered household furniture mfg	4	52	7	669	12 000	581	983	9 906	20 854	16 599	37 718	489
337122	Nonupholstered wood household furniture mfg	3	127	23	1 853	40 963	1 487	2 673	29 016	82 026	108 681	190 139	3 075
337124	Metal household furniture mfg	4	12	2	246	6 227	171	374	3 620	15 351	20 487	35 827	1 031
337127	Institutional furniture mfg	2	59	20	1 739	47 348	1 336	2 544	27 740	112 009	86 696	198 714	4 259

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ILLINOIS—Con.												
31-33	Manufacturing—Con.												
337	Furniture & related product mfg—Con.												
3372	Office furniture (including fixtures) mfg	1	203	81	9 446	302 487	7 232	14 675	182 215	717 344	617 764	1 346 406	33 743
33721	Office furniture (including fixtures) mfg	1	203	81	9 446	302 487	7 232	14 675	182 215	717 344	617 764	1 346 406	33 743
337211	Wood office furniture mfg	3	25	10	649	22 684	495	1 117	14 648	51 477	37 858	95 552	1 482
337212	Custom architectural woodwork & millwork mfg	1	44	9	615	23 087	421	853	14 041	41 355	27 170	68 226	2 938
337214	Office furniture (except wood) mfg	2	13	7	1 214	44 964	868	1 873	21 054	106 222	66 177	173 102	5 653
337215	Showcase, partition, shelving, & locker mfg	—	121	55	6 968	211 752	5 448	10 832	132 472	518 290	486 559	1 009 526	23 670
3379	Other furniture related product mfg	—	59	13	2 224	52 318	1 335	2 687	30 862	198 965	148 100	351 308	4 987
33791	Mattress mfg	—	28	8	835	24 002	629	1 266	15 324	65 596	70 962	136 354	2 125
337910	Mattress mfg	—	28	8	835	24 002	629	1 266	15 324	65 596	70 962	136 354	2 125
33792	Blind & shade mfg	1	31	5	1 389	28 316	706	1 421	15 538	133 369	77 138	214 954	2 862
337920	Blind & shade mfg	1	31	5	1 389	28 316	706	1 421	15 538	133 369	77 138	214 954	2 862
339	Miscellaneous mfg	1	1 389	316	39 712	1 280 865	26 479	51 197	634 635	2 960 780	2 380 820	5 353 602	184 269
3391	Medical equipment & supplies mfg	2	564	83	11 137	409 948	6 958	13 249	204 269	835 407	640 189	1 471 434	53 915
33911	Medical equipment & supplies mfg	2	564	83	11 137	409 948	6 958	13 249	204 269	835 407	640 189	1 471 434	53 915
339111	Laboratory apparatus & furniture mfg	—	20	7	845	32 183	432	897	11 446	48 551	54 559	104 924	3 143
339112	Surgical & medical instrument mfg	5	60	23	3 598	180 131	2 291	4 672	101 897	273 382	148 964	421 430	18 990
339113	Surgical appliance & supplies mfg	—	64	21	2 423	68 514	1 641	2 993	32 322	138 107	226 192	366 943	5 417
339114	Dental equipment & supplies mfg	1	47	11	1 394	53 040	797	1 553	22 023	144 372	90 927	234 464	7 339
339115	Ophthalmic goods mfg	—	32	5	978	29 791	421	820	6 598	123 790	85 248	200 862	15 997
339116	Dental laboratories	6	341	16	1 899	46 289	1 376	2 314	29 983	107 205	34 299	142 811	3 029
3399	Other miscellaneous mfg	1	825	233	28 575	870 917	19 521	37 948	430 366	2 125 373	1 740 631	3 882 168	130 354
33991	Jewelry & silverware mfg	2	87	13	1 221	31 720	877	1 525	17 799	92 597	71 149	163 227	2 846
339911	Jewelry (except costume) mfg	2	49	7	655	19 460	459	854	10 490	70 004	57 158	127 076	1 980
339912	Silverware & plated ware mfg	1	9	3	295	6 419	216	347	3 902	12 147	7 546	19 320	D
339914	Costume jewelry & novelty mfg	2	28	3	e	D	D	D	D	D	D	D	464
33992	Sporting & athletic goods mfg	3	90	24	3 450	99 766	2 292	3 752	37 998	289 372	230 712	557 556	13 892
339920	Sporting & athletic goods mfg	3	90	24	3 450	99 766	2 292	3 752	37 998	289 372	230 712	557 556	13 892
33993	Doll, toy, & game mfg	—	66	16	2 096	59 843	1 446	2 832	28 186	166 700	197 651	368 334	19 172
339931	Doll & stuffed toy mfg	—	10	2	245	4 427	200	475	2 855	32 653	13 424	45 634	126
339932	Game, toy, & children's vehicle mfg	—	56	14	1 851	55 416	1 246	2 357	25 331	134 047	184 227	322 700	19 046
33994	Office supplies (except paper) mfg	—	75	16	1 753	58 789	1 159	2 417	29 447	214 216	188 517	394 664	8 702
339941	Pen & mechanical pencil mfg	—	5	3	f	D	D	D	D	D	D	D	D
339942	Lead pencil & art good mfg	1	12	5	370	12 408	257	478	5 653	34 351	24 464	58 808	D
339943	Marking device mfg	2	52	5	520	11 628	340	662	7 359	32 049	16 364	47 073	1 726
339944	Carbon paper & inked ribbon mfg	—	6	3	c	D	D	D	D	D	D	D	1 437
33995	Sign mfg	1	261	65	5 398	183 712	3 416	6 713	84 578	355 145	297 273	643 605	14 921
339950	Sign mfg	1	261	65	5 398	183 712	3 416	6 713	84 578	355 145	297 273	643 605	14 921
33999	All other miscellaneous mfg	1	246	99	14 657	437 087	10 331	20 709	232 358	1 007 343	755 329	1 754 782	70 821
339991	Gasket, packing, & sealing device mfg	—	48	28	5 925	196 571	3 942	7 579	101 640	435 500	290 008	722 773	35 713
339992	Musical instrument mfg	1	31	9	703	19 628	541	1 075	12 177	46 826	30 762	79 509	3 021
339993	Fastener, button, needle, & pin mfg	3	11	4	296	6 079	221	408	3 742	14 893	14 851	29 324	512
339994	Broom, brush, & mop mfg	—	21	14	1 388	45 699	964	2 398	23 986	113 621	76 870	190 110	7 564
339995	Burlap casket mfg	4	8	4	159	4 290	124	248	3 157	12 231	8 287	20 649	680
339999	All other miscellaneous mfg	1	127	40	6 186	164 820	4 539	9 001	87 656	384 272	334 551	712 417	23 331

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

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

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

Table 2. Industry Statistics for Metropolitan Areas: 1997

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	BLOOMINGTON-NORMAL, IL MSA												
31-33	Manufacturing	-	112	38	8 388	357 729	6 751	12 986	276 349	975 020	2 882 082	3 870 266	84 896
311	Food mfg.....	-	16	7	715	20 682	518	1 102	15 076	50 900	198 267	247 030	4 980
3113	Sugar & confectionery product mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
31133	Confectionery mfg from purchased chocolate...	-	1	1	e	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate.....	-	1	1	e	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	2	18	6	627	22 296	461	969	13 137	48 129	27 938	74 261	8 529
3231	Printing & related support activities.....	2	18	6	627	22 296	461	969	13 137	48 129	27 938	74 261	8 529
32311	Printing.....	2	16	6	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	2	9	5	474	16 961	355	725	10 299	31 642	19 208	49 704	D
326	Plastics & rubber products mfg.....	9	1	1	e	D	D	D	D	D	D	D	D
3262	Rubber product mfg.....	9	1	1	e	D	D	D	D	D	D	D	D
32621	Tire mfg.....	9	1	1	e	D	D	D	D	D	D	D	D
326211	Tire mfg (except retreading).....	9	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	1	13	6	424	13 145	317	620	8 025	31 872	37 398	69 116	1 451
333	Machinery mfg.....	4	7	3	e	D	D	D	D	D	D	D	1 937
335	Electrical equipment, appliance, & component mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
3352	Household appliance mfg...	-	1	1	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
335212	Household vacuum cleaner mfg.....	-	1	1	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
335314	Relay & industrial control mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	-	7	2	h	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg.....	-	1	1	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg.....	-	1	1	h	D	D	D	D	D	D	D	D
336111	Automobile mfg.....	-	1	1	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 ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	CHAMPAIGN-URBANA, IL MSA												
31-33	Manufacturing	-	152	55	10 857	292 444	8 396	15 858	204 808	1 165 868	1 488 725	2 689 516	74 130
311	Food mfg.....	-	7	2	g	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling	-	1	1	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
3119	Other food mfg.....	-	1	1	g	D	D	D	D	D	D	D	D
31194	Seasoning & dressing mfg	-	1	1	g	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, & other prepared sauce mfg	-	1	1	g	D	D	D	D	D	D	D	D
315	Apparel mfg	-	4	2	e	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	-	2	1	e	D	D	D	D	D	D	D	D
31529	Other cut & sew apparel mfg	-	1	1	e	D	D	D	D	D	D	D	D
315299	All other cut & sew apparel mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
321	Wood product mfg	-	4	3	g	D	D	D	D	D	D	D	1 467
3219	Other wood product mfg ...	-	3	2	g	D	D	D	D	D	D	D	D
32191	Millwork	-	3	2	g	D	D	D	D	D	D	D	D
321911	Wood window & door mfg	-	3	2	g	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	2	30	8	736	18 349	455	745	10 491	52 040	25 916	77 974	1 681
3231	Printing & related support activities.....	2	30	8	736	18 349	455	745	10 491	52 040	25 916	77 974	1 681
32311	Printing	1	25	6	578	14 269	332	583	7 933	45 004	24 592	69 617	1 334
323110	Commercial lithographic printing ..	1	8	5	485	12 472	267	475	6 783	41 171	22 219	63 396	1 101
325	Chemical mfg	-	3	3	e	D	D	D	D	D	D	D	2 808
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	2	2	e	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg ...	-	2	2	e	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg .	-	2	2	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	10	7	2 188	52 134	1 885	3 543	39 712	168 562	235 711	402 648	16 528
3261	Plastics product mfg	-	10	7	2 188	52 134	1 885	3 543	39 712	168 562	235 711	402 648	16 528
32616	Plastics bottle mfg	-	2	2	e	D	D	D	D	D	D	D	D
326160	Plastics bottle mfg	-	2	2	e	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	8	5	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg.....	-	6	5	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	8	4	275	10 618	229	470	8 398	47 944	39 834	88 123	1 351
332	Fabricated metal product mfg	-	15	8	454	13 834	326	580	8 833	25 467	21 434	46 127	2 708
333	Machinery mfg	1	15	5	547	15 680	362	678	9 481	49 700	52 700	98 373	3 440
334	Computer & electronic product mfg.....	1	12	4	602	16 549	501	1 057	9 978	33 571	27 875	61 915	2 607
3346	Mfg & reproducing magnetic & optical media .	-	1	1	e	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	-	1	1	e	D	D	D	D	D	D	D	D
334613	Magnetic & optical recording media mfg .	-	1	1	e	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
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
339	Miscellaneous mfg.....	9	19	3	956	20 709	810	1 206	12 019	96 048	53 090	188 919	3 768
3399	Other miscellaneous mfg ...	9	11	3	898	18 832	774	1 134	11 133	92 018	50 749	182 594	3 524
33992	Sporting & athletic goods mfg	9	4	2	f	D	D	D	D	D	D	D	D
339920	Sporting & athletic goods mfg	9	4	2	f	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA												
	Manufacturing	1	14 080	5 205	660 689	24 785 382	457 284	943 383	14 112 493	72 622 192	73 308 763	145 631 728	6 094 310
	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
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
	Chicago, IL PMSA												
31-33	Manufacturing	1	13 191	4 855	594 764	21 752 664	407 773	837 543	11 946 955	63 133 442	59 795 488	122 695 995	4 907 410
311	Food mfg	2	905	327	57 111	1 780 900	41 318	86 229	1 129 513	8 230 301	7 734 461	15 946 105	453 970
3111	Animal food mfg	1	19	8	f	D	D	D	D	D	D	D	6 519
31111	Animal food mfg	1	19	8	f	D	D	D	D	D	D	D	6 519
31119	Other animal food mfg	1	15	8	557	19 002	306	755	9 061	107 646	193 985	298 526	D
3112	Grain & oilseed milling	3	20	14	2 618	116 201	1 920	4 535	82 773	1 036 033	1 028 538	2 042 527	81 214
31121	Flour milling & malt mfg	-	6	5	f	D	D	D	D	D	D	D	D
311211	Flour milling	-	4	3	e	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg	7	11	6	1 155	49 373	834	1 958	32 333	387 225	759 202	1 117 575	D
311221	Wet corn milling	9	2	2	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal mfg	-	3	3	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal 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 ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
311	Food mfg—Con.												
3113	Sugar & confectionery product mfg.....	-	69	30	9 596	318 702	7 880	17 236	236 253	1 624 436	1 044 036	2 677 867	84 977
31133	Confectionery mfg from purchased chocolate...	-	33	12	4 513	152 263	3 588	8 599	111 619	862 301	479 698	1 341 941	37 011
311330	Confectionery mfg from purchased chocolate.....	-	33	12	4 513	152 263	3 588	8 599	111 619	862 301	479 698	1 341 941	37 011
31134	Nonchocolate confectionery mfg.....	-	30	17	h	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery mfg...	-	30	17	h	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg.....	1	60	29	7 016	176 843	5 766	12 951	124 680	613 903	686 155	1 304 224	56 009
31141	Frozen food mfg.....	1	29	11	h	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, & vegetable mfg.....	-	5	3	g	D	D	D	D	D	D	D	D
311412	Frozen specialty food mfg.....	2	24	8	h	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying.....	-	31	18	h	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning.....	1	21	13	1 747	49 872	1 440	3 604	33 540	171 010	185 393	357 141	10 184
311423	Dried & dehydrated food mfg.....	-	6	4	956	25 085	579	1 203	19 123	122 171	116 903	238 469	D
3115	Dairy product mfg.....	4	34	12	1 737	64 694	1 274	2 564	37 477	247 286	441 721	692 213	D
31151	Dairy product (except frozen) mfg.....	6	23	9	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg.....	7	12	6	653	24 224	453	925	15 696	63 122	297 618	360 696	6 755
31152	Ice cream & frozen dessert mfg.....	-	11	3	f	D	D	D	D	D	D	D	D
311520	Ice cream & frozen dessert mfg.....	-	11	3	f	D	D	D	D	D	D	D	D
3116	Meat product mfg.....	2	125	75	9 427	276 713	7 365	14 708	176 228	880 609	1 695 016	2 578 476	48 865
31161	Animal slaughtering & processing.....	2	125	75	9 427	276 713	7 365	14 708	176 228	880 609	1 695 016	2 578 476	48 865
311611	Animal (except poultry) slaughtering.....	3	36	20	1 909	47 793	1 544	3 047	30 980	83 300	413 650	497 003	D
311612	Meat processed from carcasses.....	1	79	47	i	D	D	D	D	D	D	D	D
311615	Poultry processing.....	9	7	6	g	D	D	D	D	D	D	D	35 631
3118	Bakeries & tortilla mfg.....	1	447	97	18 807	556 510	12 078	23 342	336 122	2 317 937	1 379 470	3 684 391	109 007
31181	Bread & bakery product mfg.....	3	393	71	12 715	330 948	7 042	12 426	170 385	955 018	520 197	1 475 844	42 459
311811	Retail bakeries.....	4	289	27	2 650	37 242	1 566	2 198	19 636	79 594	41 821	119 929	9 681
311812	Commercial bakeries.....	2	96	41	9 718	284 535	5 190	9 681	144 762	855 501	461 372	1 319 036	31 530
311813	Frozen cakes, pies, & other pastries mfg...	1	8	3	347	9 171	286	547	5 987	19 923	17 004	36 879	1 248
31182	Cookie, cracker, & pasta mfg.....	-	45	21	5 542	213 299	4 586	10 183	156 965	1 325 434	833 827	2 145 759	65 387
311821	Cookie & cracker mfg...	-	21	14	h	D	D	D	D	D	D	D	56 761
311822	Flour mixes & dough mfg from purchased flour.....	2	10	5	f	D	D	D	D	D	D	D	D
311823	Dry pasta mfg.....	1	14	2	e	D	D	D	D	D	D	D	D
31183	Tortilla mfg.....	2	9	5	550	12 263	450	733	8 772	37 485	25 446	62 788	1 161
311830	Tortilla mfg.....	2	9	5	550	12 263	450	733	8 772	37 485	25 446	62 788	1 161
3119	Other food mfg.....	2	127	59	7 097	245 882	4 533	9 799	123 755	1 385 651	1 226 003	2 611 548	54 224
31191	Snack food mfg.....	-	12	5	550	13 765	430	889	9 090	79 095	75 102	153 880	5 742
311919	Other snack food mfg...	-	8	3	455	12 344	357	750	8 246	73 816	62 575	134 422	5 450
31192	Coffee & tea mfg.....	-	9	6	576	17 707	419	751	10 144	99 102	227 950	325 499	4 056
311920	Coffee & tea mfg.....	-	9	6	576	17 707	419	751	10 144	99 102	227 950	325 499	4 056
31193	Flavoring syrup & concentrate mfg.....	-	12	4	f	D	D	D	D	D	D	D	D
311930	Flavoring syrup & concentrate mfg.....	-	12	4	f	D	D	D	D	D	D	D	D
31194	Seasoning & dressing mfg.....	4	37	20	g	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, & other prepared sauce mfg.....	6	12	5	f	D	D	D	D	D	D	D	D
311942	Spice & extract mfg...	-	25	15	g	D	D	D	D	D	D	D	D
31199	All other food mfg.....	1	57	24	3 067	99 057	2 310	5 256	59 774	492 108	380 180	872 619	19 189
311991	Perishable prepared food mfg.....	1	20	9	g	D	D	D	D	D	D	D	5 313
311999	All other miscellaneous food mfg.....	-	37	15	g	D	D	D	D	D	D	D	13 876

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
312	Beverage & tobacco product mfg	1	37	16	2 771	97 854	1 700	3 610	50 851	847 889	619 450	1 464 965	20 471
3121	Beverage mfg	2	35	15	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	2	19	12	g	D	D	D	D	D	D	D	D
312111	Soft drink mfg	2	14	10	1 823	69 867	1 258	2 806	36 519	273 600	543 727	814 448	D
312112	Bottled water mfg	—	2	2	e	D	D	D	D	D	D	D	D
3122	Tobacco mfg	—	2	1	e	D	D	D	D	D	D	D	D
31222	Tobacco product mfg	—	2	1	e	D	D	D	D	D	D	D	D
312229	Other tobacco product mfg	—	2	1	e	D	D	D	D	D	D	D	D
313	Textile mills	3	63	11	1 235	39 168	978	2 010	25 653	80 217	112 635	191 285	D
3132	Fabric mills	3	28	5	398	9 452	322	663	6 071	20 781	21 341	41 817	D
3133	Textile & fabric finishing & fabric coating mills	3	35	6	837	29 716	656	1 347	19 582	59 436	91 294	149 468	D
31331	Textile & fabric finishing mills	4	29	4	548	17 254	453	944	12 013	45 473	65 911	110 128	D
313311	Broadwoven fabric finishing mills	4	27	4	f	D	D	D	D	D	D	D	2 464
31332	Fabric coating mills	—	6	2	289	12 462	203	403	7 569	13 963	25 383	39 340	D
313320	Fabric coating mills	—	6	2	289	12 462	203	403	7 569	13 963	25 383	39 340	D
314	Textile product mills	3	213	49	h	D	D	D	D	D	D	D	11 154
3141	Textile furnishings mills	1	116	17	g	D	D	D	D	D	D	D	D
31412	Curtain & linen mills	1	114	16	g	D	D	D	D	D	D	D	D
314121	Curtain & drapery mills	2	93	5	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	1	21	11	f	D	D	D	D	D	D	D	D
3149	Other textile product mills	4	97	32	h	D	D	D	D	D	D	D	D
31491	Textile bag & canvas mills	4	53	14	1 349	32 833	1 043	1 868	19 391	66 955	68 987	135 275	D
314911	Textile bag mills	—	12	5	f	D	D	D	D	D	D	D	D
314912	Canvas & related product mills	7	41	9	f	D	D	D	D	D	D	D	D
31499	All other textile product mills	3	44	18	g	D	D	D	D	D	D	D	6 242
314999	All other miscellaneous textile product mills	3	43	17	g	D	D	D	D	D	D	D	D
315	Apparel mfg	2	212	62	7 644	176 576	5 769	11 211	96 415	334 571	304 069	638 848	11 620
3151	Apparel knitting mills	—	13	7	f	D	D	D	D	D	D	D	D
31519	Other apparel knitting mills	—	12	7	f	D	D	D	D	D	D	D	580
315191	Outerwear knitting mills	—	11	6	f	D	D	D	D	D	D	D	580
3152	Cut & sew apparel mfg	3	130	37	4 869	106 677	3 864	7 933	68 427	196 997	104 679	295 554	D
31521	Cut & sew apparel contractors	8	56	11	1 718	30 615	1 569	3 057	24 144	49 323	11 473	60 736	D
315211	Men's & boys' cut & sew apparel contractors	8	7	3	e	D	D	D	D	D	D	D	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	8	49	8	g	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg	2	22	9	2 050	52 262	1 399	3 262	30 276	95 039	53 027	140 433	D
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	2	8	3	g	D	D	D	D	D	D	D	D
315225	Men's & boys' cut & sew work clothing mfg	—	4	4	e	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	3	36	14	f	D	D	D	D	D	D	D	712
315233	Women's & girls' cut & sew dress mfg	4	11	7	e	D	D	D	D	D	D	D	D
31529	Other cut & sew apparel mfg	3	16	3	e	D	D	D	D	D	D	D	D
315299	All other cut & sew apparel mfg	1	9	3	e	D	D	D	D	D	D	D	D
3159	Apparel accessories & other apparel mfg	1	69	18	g	D	D	D	D	D	D	D	5 672
31599	Apparel accessories & other apparel mfg	1	69	18	g	D	D	D	D	D	D	D	5 672
315992	Glove & mitten mfg	—	3	2	f	D	D	D	D	D	D	D	D
315999	Other apparel accessories & other apparel mfg	2	57	12	1 462	38 326	948	1 503	12 036	57 112	93 792	156 543	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.													
	Chicago, IL PMSA—Con.													
31-33	Manufacturing—Con.													
316	Leather & allied product mfg .	1	39	15	g	D	D	D	D	D	D	D	D	
3161	Leather & hide tanning & finishing	—	4	2	e	D	D	D	D	D	D	D	D	
31611	Leather & hide tanning & finishing	—	4	2	e	D	D	D	D	D	D	D	D	
316110	Leather & hide tanning & finishing	—	4	2	e	D	D	D	D	D	D	D	D	
3169	Other leather & allied product mfg	1	31	12	g	D	D	D	D	D	D	D	D	
31699	Other leather & allied product mfg	1	31	12	g	D	D	D	D	D	D	D	D	
316991	Luggage mfg	3	16	7	f	D	D	D	D	D	D	D	D	
316999	All other leather good mfg	—	9	3	f	D	D	D	D	D	D	D	D	
321	Wood product mfg	3	222	57		3 680	105 019	2 870	5 611	67 825	197 678	253 027	450 356	9 382
3212	Veneer, plywood, & engineered wood product mfg	1	14	10		598	17 460	462	866	10 804	35 437	42 058	77 524	933
32121	Veneer, plywood, & engineered wood product mfg	1	14	10		598	17 460	462	866	10 804	35 437	42 058	77 524	933
321214	Truss mfg	1	5	5		383	11 740	297	525	7 476	22 253	30 990	53 107	D
3219	Other wood product mfg	3	199	45		2 973	84 546	2 322	4 571	54 847	158 498	205 410	363 579	8 087
32191	Millwork	4	76	19		1 380	47 533	1 050	2 150	31 064	82 106	111 076	193 100	3 838
321911	Wood window & door mfg	5	34	9		670	24 789	477	950	15 064	46 434	66 558	113 390	2 434
321918	Other millwork (including flooring)	2	36	9		621	20 658	497	1 046	14 365	31 509	40 254	71 260	1 175
32192	Wood container & pallet mfg	2	62	16		827	19 232	678	1 266	11 916	43 323	62 167	105 286	2 764
321920	Wood container & pallet mfg	2	62	16		827	19 232	678	1 266	11 916	43 323	62 167	105 286	2 764
32199	All other wood product mfg	3	61	10		766	17 781	594	1 155	11 867	33 069	32 167	65 193	1 485
321999	All other miscellaneous wood product mfg	4	59	9	f	D	D	D	D	D	D	D	D	D
322	Paper mfg	—	292	206		22 493	820 785	16 124	34 840	507 536	2 191 549	2 296 092	4 489 609	138 369
3221	Pulp, paper, & paperboard mills	—	4	4	f	D	D	D	D	D	D	D	D	D
32212	Paper mills	—	2	2	e	D	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	2	2	e	D	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	2	2	e	D	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	—	288	202	j	D	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	—	154	121		13 024	491 051	9 717	21 183	308 711	1 180 181	1 459 850	2 640 558	69 833
322211	Corrugated & solid fiber box mfg	—	85	70		7 229	273 788	5 108	11 234	157 843	705 451	946 069	1 647 090	48 684
322212	Folding paperboard box mfg	—	46	34		4 379	178 928	3 464	7 803	123 128	391 249	412 967	809 334	17 257
322213	Setup paperboard box mfg	—	8	5	e	D	D	D	D	D	D	D	D	D
322214	Fiber can, tube, drum, & similar products mfg	—	13	10	f	D	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container mfg	—	2	2	f	D	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	—	62	43		4 821	174 507	2 985	6 435	91 080	671 415	490 990	1 163 348	30 989
322222	Coated & laminated paper mfg	1	38	25		2 879	105 118	1 611	3 340	53 003	448 125	299 807	750 252	21 878
322223	Plastics, foil, & coated paper bag mfg	—	3	2	f	D	D	D	D	D	D	D	D	D
322224	Uncoated paper & multiwall bag mfg	—	6	5		468	13 297	386	953	10 546	44 966	50 402	94 969	1 027
322226	Surface-coated paperboard mfg	—	5	3		416	21 871	252	676	8 222	105 168	58 670	164 097	D
32223	Stationery product mfg	1	41	21	g	D	D	D	D	D	D	D	D	D
322231	Die-cut paper & paperboard office supplies mfg	1	17	5	e	D	D	D	D	D	D	D	D	D
322232	Envelope mfg	1	23	16	g	D	D	D	D	D	D	D	D	D
32229	Other converted paper product mfg	—	31	17		1 679	55 959	1 301	2 689	37 703	123 767	111 479	234 909	14 984
322291	Sanitary paper product mfg	—	5	1	e	D	D	D	D	D	D	D	D	D
322299	All other converted paper product mfg	—	26	16	g	D	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	CHICAGO—GARY—KENOSHA, IL—IN—WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
323	Printing & related support activities.....	2	1 901	449	42 441	1 588 878	30 537	61 438	952 180	3 417 832	2 329 752	5 730 750	289 666
3231	Printing & related support activities.....	2	1 901	449	42 441	1 588 878	30 537	61 438	952 180	3 417 832	2 329 752	5 730 750	289 666
32311	Printing.....	2	1 635	368	35 444	1 335 446	25 174	50 813	787 657	2 914 988	2 185 998	5 083 731	257 920
323110	Commercial lithographic printing ..	2	782	210	20 719	849 132	14 900	31 332	513 194	1 745 076	1 220 524	2 954 218	182 613
323111	Commercial gravure printing.....	7	27	6	f	D	D	D	D	D	D	D	D
323112	Commercial flexographic printing ..	3	56	21	1 774	67 341	1 221	2 398	37 877	152 419	123 619	275 886	11 758
323113	Commercial screen printing.....	3	120	29	g	D	D	D	D	D	D	D	11 783
323114	Quick printing ..	2	335	20	2 146	58 744	1 476	2 548	35 558	122 031	73 031	194 400	7 694
323116	Manifold business form printing.....	-	52	27	2 716	92 846	1 923	3 573	57 777	226 836	320 533	545 598	D
323117	Book printing.....	-	37	15	1 615	55 367	1 132	2 259	32 077	114 456	74 623	188 035	10 365
323118	Blankbook, looseleaf binder, & device mfg ..	-	27	16	g	D	D	D	D	D	D	D	D
323119	Other commercial printing.....	5	179	22	2 048	71 038	1 454	2 833	44 438	152 675	103 746	254 464	10 806
32312	Support activities for printing.....	3	266	81	6 997	253 432	5 363	10 625	164 523	502 844	143 754	647 019	31 746
323121	Tradebinding & related work.....	3	68	31	3 076	71 343	2 519	4 944	49 000	127 653	35 020	163 230	5 620
323122	Prepress services	3	198	50	3 921	182 089	2 844	5 681	115 523	375 191	108 734	483 789	26 126
324	Petroleum & coal products mfg.....	-	62	24	2 778	136 301	1 594	3 528	70 763	832 939	3 093 083	3 922 056	71 528
3241	Petroleum & coal products mfg.....	-	62	24	2 778	136 301	1 594	3 528	70 763	832 939	3 093 083	3 922 056	71 528
32411	Petroleum refineries ..	-	7	5	1 162	67 591	682	1 553	36 960	443 082	2 596 654	3 045 966	54 147
324110	Petroleum refineries ..	-	7	5	1 162	67 591	682	1 553	36 960	443 082	2 596 654	3 045 966	54 147
32412	Asphalt paving, roofing, & saturated materials mfg.....	1	31	9	908	34 810	616	1 331	23 018	161 979	267 819	427 422	6 876
324122	Asphalt shingle & coating materials mfg.....	1	17	8	f	D	D	D	D	D	D	D	D
32419	Other petroleum & coal products mfg.....	2	24	10	708	33 900	296	644	10 785	227 878	228 610	448 668	10 505
324191	Petroleum lubricating oil & grease mfg.....	2	22	9	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	1	574	279	42 391	2 070 663	21 137	43 616	820 126	9 156 926	6 606 378	15 721 857	797 310
3251	Basic chemical mfg.....	-	72	40	3 618	170 222	2 122	4 336	85 702	864 823	868 393	1 737 660	D
32513	Dye & pigment mfg.....	1	6	5	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye & pigment mfg.....	-	4	4	284	11 696	229	514	8 679	40 542	48 679	86 695	2 460
32518	Other basic inorganic chemical mfg.....	-	20	13	1 269	59 350	881	1 813	35 022	203 711	201 775	404 968	22 075
325188	All other basic inorganic chemical mfg.....	-	20	13	1 269	59 350	881	1 813	35 022	203 711	201 775	404 968	22 075
32519	Other basic organic chemical mfg.....	-	34	18	1 760	86 111	815	1 582	34 353	539 094	546 012	1 092 233	41 064
325199	All other basic organic chemical mfg.....	-	32	18	g	D	D	D	D	D	D	D	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg.....	-	35	23	2 646	134 822	1 633	3 693	78 942	667 796	1 070 192	1 734 367	106 423
32521	Resin & synthetic rubber mfg.....	-	33	23	h	D	D	D	D	D	D	D	D
325211	Plastics material & resin mfg.....	-	31	22	h	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	-	34	17	17 003	1 008 278	5 876	11 928	288 679	3 017 351	1 020 007	4 020 908	D
32541	Pharmaceutical & medicine mfg.....	-	34	17	17 003	1 008 278	5 876	11 928	288 679	3 017 351	1 020 007	4 020 908	D
325412	Pharmaceutical preparation mfg.....	1	22	12	g	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg.....	-	4	3	j	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg.....	1	136	68	5 427	226 384	3 069	6 209	100 491	963 254	1 133 887	2 091 393	49 937
32551	Paint & coating mfg.....	-	98	51	4 261	175 943	2 415	4 799	77 813	741 815	901 861	1 638 588	29 083
325510	Paint & coating mfg.....	-	98	51	4 261	175 943	2 415	4 799	77 813	741 815	901 861	1 638 588	29 083
32552	Adhesive mfg.....	1	38	17	1 166	50 441	654	1 410	22 678	221 439	232 026	452 805	20 854
325520	Adhesive mfg.....	1	38	17	1 166	50 441	654	1 410	22 678	221 439	232 026	452 805	20 854

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	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
325	Chemical mfg—Con.												
3256	Soap, cleaning compound, & toilet preparation mfg ..	1	135	60	8 181	321 146	5 056	10 574	160 382	2 505 545	1 476 439	3 966 722	D
32561	Soap & cleaning compound mfg	1	100	37	h	D	D	D	D	D	D	D	D
325611	Soap & other detergent mfg	—	44	12	1 526	65 819	1 094	2 410	41 071	486 647	263 699	754 746	D
325612	Polish & other sanitation good mfg ..	1	40	15	1 556	49 402	867	1 943	20 540	571 860	297 589	875 822	9 570
325613	Surface active agent mfg	2	16	10	g	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg ...	—	35	23	h	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg .	—	35	23	h	D	D	D	D	D	D	D	D
3259	Other chemical product mfg	3	148	66	5 293	202 015	3 244	6 604	102 442	1 087 146	967 246	2 048 380	D
32591	Printing ink mfg	1	42	21	1 349	54 608	762	1 595	28 347	162 698	198 521	353 506	D
325910	Printing ink mfg	1	42	21	1 349	54 608	762	1 595	28 347	162 698	198 521	353 506	D
32599	All other chemical product & preparation mfg	3	106	45	3 944	147 407	2 482	5 009	74 095	924 448	768 725	1 694 874	50 169
325991	Custom compounding of purchased resin...	3	32	15	1 244	39 743	877	1 748	21 258	105 566	126 454	231 098	9 695
325992	Photographic film, paper, plate, & chemical mfg	—	18	6	636	20 732	388	806	10 499	55 287	97 751	154 114	8 020
325998	All other miscellaneous chemical product & preparation mfg	3	56	24	2 064	86 932	1 217	2 455	42 338	763 595	544 520	1 309 662	32 454
326	Plastics & rubber products mfg	1	754	433	46 728	1 395 471	36 351	75 201	871 116	3 606 045	3 297 996	6 884 379	348 895
3261	Plastics product mfg	1	676	398	43 662	1 302 239	34 054	70 264	812 033	3 391 200	3 072 834	6 446 024	335 620
32611	Unsupported plastics film, sheet, & bag mfg ..	1	75	48	6 052	208 534	4 341	9 727	126 140	588 006	634 183	1 220 295	70 735
326111	Unsupported plastics bag mfg	—	22	16	g	D	D	D	D	D	D	D	31 838
326112	Unsupported plastics packaging film & sheet mfg	—	12	10	g	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg	2	41	22	2 608	93 911	1 589	3 326	48 218	283 050	252 246	538 610	D
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	2	41	24	1 794	51 073	1 335	2 765	32 431	108 326	90 280	198 588	6 148
326121	Unsupported plastics profile shape mfg	1	32	17	1 505	43 111	1 136	2 364	26 843	88 364	64 503	152 546	4 676
326122	Plastics pipe & pipe fitting mfg	4	9	7	289	7 962	199	401	5 588	19 962	25 777	46 042	1 472
32613	Laminated plastics plate, sheet, & shape mfg	—	30	7	885	26 955	637	1 268	14 586	95 275	111 417	206 946	4 427
326130	Laminated plastics plate, sheet, & shape mfg	—	30	7	885	26 955	637	1 268	14 586	95 275	111 417	206 946	4 427
32614	Polystyrene foam product mfg	1	13	10	1 013	32 449	752	1 591	20 278	127 821	99 125	226 653	9 249
326140	Polystyrene foam product mfg	1	13	10	1 013	32 449	752	1 591	20 278	127 821	99 125	226 653	9 249
32615	Urethane & other foam product (except polystyrene) mfg	—	16	11	1 085	28 114	878	1 814	20 383	79 518	97 780	177 861	7 311
326150	Urethane & other foam product (except polystyrene) mfg	—	16	11	1 085	28 114	878	1 814	20 383	79 518	97 780	177 861	7 311
32616	Plastics bottle mfg	3	22	17	1 989	62 609	1 639	3 652	46 253	179 444	202 670	382 000	22 788
326160	Plastics bottle mfg	3	22	17	1 989	62 609	1 639	3 652	46 253	179 444	202 670	382 000	22 788
32619	Other plastics product mfg	1	479	281	30 844	892 505	24 472	49 447	551 962	2 212 810	1 837 379	4 033 681	214 962
326199	All other plastics product mfg	1	472	276	30 607	885 895	24 279	49 052	547 634	2 200 084	1 831 553	4 015 204	D
3262	Rubber product mfg	1	78	35	3 066	93 232	2 297	4 937	59 083	214 845	225 162	438 355	13 275
32621	Tire mfg	3	18	6	417	9 951	298	642	6 025	17 983	32 131	50 471	753
326212	Tire retreading	3	15	6	e	D	D	D	D	D	D	D	D
32629	Other rubber product mfg	1	52	24	2 409	74 422	1 815	3 869	46 922	170 371	165 227	333 944	10 189
326291	Rubber product mfg for mechanical use	—	22	10	1 251	36 084	933	2 102	23 702	97 271	52 503	148 833	5 386
326299	All other rubber product mfg	1	30	14	1 158	38 338	882	1 767	23 220	73 100	112 724	185 111	4 803

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
327	Nonmetallic mineral product mfg	2	334	151	10 617	360 690	8 124	16 371	241 735	910 874	769 541	1 678 528	96 779
3271	Clay product & refractory mfg	2	38	19	2 242	53 676	1 685	2 969	30 830	134 626	108 877	244 787	D
32711	Pottery, ceramics, & plumbing fixture mfg	4	21	10	g	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, & other pottery product mfg	5	14	7	1 499	26 603	1 236	2 024	17 809	45 675	37 142	85 215	5 006
32712	Clay building material & refractories mfg	—	17	9	f	D	D	D	D	D	D	D	D
327125	Nonclay refractory mfg	—	6	4	e	D	D	D	D	D	D	D	D
3272	Glass & glass product mfg	1	58	13	1 876	60 004	1 575	3 187	44 062	166 453	87 004	250 963	D
32721	Glass & glass product mfg	1	58	13	1 876	60 004	1 575	3 187	44 062	166 453	87 004	250 963	D
327213	Glass container mfg	—	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	2	43	11	1 092	30 267	867	1 762	18 547	76 298	57 446	133 040	4 610
3273	Cement & concrete product mfg	2	136	67	3 514	144 802	2 635	5 535	100 731	351 723	349 007	699 003	36 532
32732	Ready-mix concrete mfg	3	80	42	2 185	94 855	1 718	3 465	72 351	225 256	256 219	481 310	24 287
327320	Ready-mix concrete mfg	3	80	42	2 185	94 855	1 718	3 465	72 351	225 256	256 219	481 310	24 287
32733	Concrete pipe, brick, & block mfg	—	26	15	749	29 712	462	975	14 460	80 036	60 027	138 591	8 988
327331	Concrete block & brick mfg	—	14	7	323	12 639	192	366	5 100	44 106	29 947	73 846	7 216
327332	Concrete pipe mfg	—	12	8	426	17 073	270	609	9 360	35 930	30 080	64 745	1 772
32739	Other concrete product mfg	2	27	10	553	18 785	435	1 046	12 923	41 422	28 796	70 085	D
327390	Other concrete product mfg	2	27	10	553	18 785	435	1 046	12 923	41 422	28 796	70 085	D
3274	Lime & gypsum product mfg	—	14	5	326	12 577	263	629	9 871	51 864	57 934	109 492	D
3279	Other nonmetallic mineral product mfg	2	88	47	2 659	89 631	1 966	4 051	56 241	206 208	166 719	374 283	19 991
32791	Abrasive product mfg	—	28	20	1 117	34 167	837	1 701	19 701	69 652	60 254	131 363	2 499
327910	Abrasive product mfg	—	28	20	1 117	34 167	837	1 701	19 701	69 652	60 254	131 363	2 499
32799	All other nonmetallic mineral product mfg	2	60	27	1 542	55 464	1 129	2 350	36 540	136 556	106 465	242 920	17 492
327991	Cut stone & stone product mfg	—	28	8	e	D	D	D	D	D	D	D	D
327992	Ground or treated mineral & earth mfg	2	13	6	344	16 364	223	513	9 194	40 095	37 934	77 656	9 256
327999	All other miscellaneous nonmetallic mineral product mfg	5	15	9	577	19 576	444	938	14 963	53 844	39 762	93 648	6 633
331	Primary metal mfg	—	231	141	19 325	748 163	14 955	33 103	492 639	1 949 695	3 115 743	5 017 462	148 307
3311	Iron & steel mills & ferroalloy mfg	—	13	12	3 637	162 001	2 809	6 376	114 189	362 422	761 843	1 100 712	47 189
33111	Iron & steel mills & ferroalloy mfg	—	13	12	3 637	162 001	2 809	6 376	114 189	362 422	761 843	1 100 712	47 189
331111	Iron & steel mills	—	13	12	3 637	162 001	2 809	6 376	114 189	362 422	761 843	1 100 712	47 189
3312	Steel product mfg from purchased steel	—	42	30	3 853	175 245	2 739	5 970	98 777	550 782	897 540	1 443 209	33 747
33121	Iron & steel pipes & tubes mfg from purchased steel	—	17	16	2 183	117 267	1 511	3 411	60 996	381 736	625 795	1 029 246	21 124
331210	Iron & steel pipes & tubes mfg from purchased steel	—	17	16	2 183	117 267	1 511	3 411	60 996	381 736	625 795	1 029 246	21 124
33122	Rolling & drawing of purchased steel	—	25	14	1 670	57 978	1 228	2 559	37 781	169 046	271 745	413 963	12 623
331221	Cold-rolled steel shape mfg	—	11	7	f	D	D	D	D	D	D	D	D
331222	Steel wire drawing	—	14	7	f	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing	—	17	13	2 201	93 495	1 673	3 681	62 900	301 488	536 467	817 908	16 382
33131	Alumina & aluminum production & processing	—	17	13	2 201	93 495	1 673	3 681	62 900	301 488	536 467	817 908	16 382
331314	Secondary smelting & alloying of aluminum	—	8	5	e	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, & foil mfg	—	3	3	1 057	54 770	822	1 911	40 644	161 959	325 850	477 384	10 791
331316	Aluminum extruded product mfg	—	2	2	e	D	D	D	D	D	D	D	D
331319	Other aluminum rolling & drawing	—	4	3	e	D	D	D	D	D	D	D	D

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	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
331	Primary metal mfg—Con.												
3314	Nonferrous metal (except aluminum) production & processing.....	-	32	23	2 374	85 323	1 778	3 874	52 217	225 750	515 241	745 012	19 189
33142	Copper rolling, drawing, extruding, & alloying ...	-	14	12	g	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, & extruding .	-	7	6	f	D	D	D	D	D	D	D	D
331422	Copper wire (except mechanical) drawing .	-	3	2	e	D	D	D	D	D	D	D	5 408
331423	Secondary smelting, refining, & alloying of copper	-	4	4	e	D	D	D	D	D	D	D	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying ...	-	14	8	f	D	D	D	D	D	D	D	D
331491	Other nonferrous metal rolling, drawing, & extruding	-	10	7	f	D	D	D	D	D	D	D	D
3315	Foundries	1	127	63	7 260	232 099	5 956	13 202	164 556	509 253	404 652	910 621	31 800
33151	Ferrous metal foundries .	-	34	14	2 106	68 908	1 769	3 917	50 791	172 905	124 809	295 724	7 479
331511	Iron foundries	-	16	8	f	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment)	-	16	4	f	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	1	93	49	5 154	163 191	4 187	9 285	113 765	336 348	279 843	614 897	24 321
331521	Aluminum die-casting foundries	1	27	17	h	D	D	D	D	D	D	D	D
331522	Nonferrous (except aluminum) die-casting foundries	-	16	14	1 266	43 081	949	2 039	27 702	92 344	77 763	168 861	7 433
331524	Aluminum foundries (except die-casting) ..	1	22	7	654	19 474	538	1 266	13 442	42 887	25 183	68 158	3 108
331525	Copper foundries (except die-casting) ..	2	17	5	e	D	D	D	D	D	D	D	D
331528	Other nonferrous foundries (except die-casting)	5	11	6	298	10 309	216	460	5 833	23 427	15 733	38 455	794
332	Fabricated metal product mfg	1	2 731	1 015	91 645	3 212 285	69 391	145 060	2 061 211	7 273 838	5 575 002	12 835 792	516 189
3321	Forging & stamping	-	307	165	17 557	644 233	13 773	29 814	432 931	1 466 917	1 413 790	2 863 089	122 394
33211	Forging & stamping	-	307	165	17 557	644 233	13 773	29 814	432 931	1 466 917	1 413 790	2 863 089	122 394
332111	Iron & steel forging ...	-	24	13	1 471	57 858	1 080	2 252	38 173	111 987	106 050	215 789	10 946
332112	Nonferrous forging	-	6	4	f	D	D	D	D	D	D	D	D
332114	Custom roll forming ...	-	22	11	1 164	36 929	838	1 815	23 403	84 027	96 170	178 894	3 733
332115	Crown & closure mfg ..	-	7	3	f	D	D	D	D	D	D	D	D
332116	Metal stamping	-	239	128	12 332	448 804	9 805	21 149	296 000	1 019 611	1 018 526	2 026 847	72 257
332117	Powder metallurgy part mfg	-	9	6	g	D	D	D	D	D	D	D	D
3322	Cutlery & handtool mfg ...	1	99	41	4 567	153 264	3 274	6 888	91 885	349 372	222 891	586 605	25 249
33221	Cutlery & handtool mfg ..	1	99	41	4 567	153 264	3 274	6 888	91 885	349 372	222 891	586 605	25 249
332211	Cutlery & flatware (except precious) mfg	-	7	3	e	D	D	D	D	D	D	D	D
332212	Hand & edge tool mfg .	1	81	33	3 483	122 191	2 446	5 203	71 751	266 823	165 106	448 396	18 843
332213	Saw blade & handsaw mfg	2	8	2	e	D	D	D	D	D	D	D	D
332214	Kitchen utensil, pot, & pan mfg	-	3	3	f	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	1	386	155	11 284	368 462	7 949	16 786	217 451	917 973	627 174	1 543 262	36 688
33231	Plate work & fabricated structural product mfg ..	1	123	47	2 810	90 800	1 879	3 912	51 698	213 704	183 244	398 570	7 790
332312	Fabricated structural metal mfg	1	82	29	1 791	57 781	1 144	2 359	30 798	153 502	135 892	290 694	5 106
332313	Plate work mfg	1	32	14	906	29 675	666	1 426	19 318	52 959	37 121	90 370	2 364
33232	Ornamental & architectural metal products mfg	1	263	108	8 474	277 662	6 070	12 874	165 753	704 269	443 930	1 144 692	28 898
332321	Metal window & door mfg	1	53	15	1 569	43 022	1 056	2 209	22 256	96 100	87 354	182 669	2 848
332322	Sheet metal work mfg .	-	150	70	4 649	162 477	3 455	7 166	99 789	429 837	219 428	647 839	19 953
332323	Ornamental & architectural metal work mfg	1	60	23	2 256	72 163	1 559	3 499	43 708	178 332	137 148	314 184	6 097

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	CHICAGO—GARY—KENOSHA, IL—IN—WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3324	Boiler, tank, & shipping container mfg	1	63	27	3 424	137 456	2 658	5 801	94 106	303 300	461 428	766 497	15 980
33241	Power boiler & heat exchanger mfg	—	13	6	453	14 265	314	576	7 904	34 334	18 970	54 758	1 234
332410	Power boiler & heat exchanger mfg	—	13	6	453	14 265	314	576	7 904	34 334	18 970	54 758	1 234
33242	Metal tank (heavy gauge) mfg	—	10	2	378	16 109	251	506	8 953	34 429	24 385	59 300	982
332420	Metal tank (heavy gauge) mfg	—	10	2	378	16 109	251	506	8 953	34 429	24 385	59 300	982
33243	Metal can, box, & other metal container (light gauge) mfg	1	40	19	2 593	107 082	2 093	4 719	77 249	234 537	418 073	652 439	13 764
332431	Metal can mfg	1	17	8	1 332	59 347	1 137	2 473	49 082	136 857	288 685	424 305	D
332439	Other metal container mfg	1	23	11	1 261	47 735	956	2 246	28 167	97 680	129 388	228 134	D
3325	Hardware mfg	1	46	26	2 910	95 850	2 119	4 396	55 217	207 849	136 391	343 499	10 518
33251	Hardware mfg	1	46	26	2 910	95 850	2 119	4 396	55 217	207 849	136 391	343 499	10 518
332510	Hardware mfg	1	46	26	2 910	95 850	2 119	4 396	55 217	207 849	136 391	343 499	10 518
3326	Spring & wire product mfg	1	151	68	5 779	182 130	4 604	8 955	114 917	380 520	309 251	681 297	21 528
33261	Spring & wire product mfg	1	151	68	5 779	182 130	4 604	8 955	114 917	380 520	309 251	681 297	21 528
332611	Spring (heavy gauge) mfg	—	17	9	f	D	D	D	D	D	D	D	3 347
332612	Spring (light gauge) mfg	1	45	24	g	D	D	D	D	D	D	D	8 354
332618	Other fabricated wire product mfg	—	89	35	2 933	86 900	2 251	4 095	47 517	184 589	148 376	327 434	9 827
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	1 092	302	23 165	837 363	17 679	37 029	550 171	1 711 844	903 678	2 605 404	140 454
33271	Machine shops	1	811	171	11 746	438 541	9 071	18 714	292 787	808 276	370 736	1 170 958	62 550
332710	Machine shops	1	811	171	11 746	438 541	9 071	18 714	292 787	808 276	370 736	1 170 958	62 550
33272	Turned product & screw, nut, & bolt mfg	1	281	131	11 419	398 822	8 608	18 315	257 384	903 568	532 942	1 434 446	77 904
332721	Precision turned product mfg	2	184	77	6 519	218 909	5 312	11 370	151 589	476 806	201 116	672 506	46 148
332722	Bolt, nut, screw, rivet, & washer mfg	—	97	54	4 900	179 913	3 296	6 945	105 795	426 762	331 826	761 940	31 756
3328	Coating, engraving, heat treating, & allied activities	1	329	136	10 181	331 242	7 875	16 244	209 257	669 701	413 582	1 083 515	71 748
33281	Coating, engraving, heat treating, & allied activities	1	329	136	10 181	331 242	7 875	16 244	209 257	669 701	413 582	1 083 515	71 748
332811	Metal heat treating	2	28	16	1 151	43 543	896	2 081	29 476	93 150	40 961	135 757	36 708
332812	Metal coating/engraving (exc jewelry/silverware)/ allied services	—	93	46	3 681	117 074	2 901	5 827	79 620	259 016	232 848	488 396	19 702
332813	Electroplating, plating, polishing, anodizing, & coloring	1	208	74	5 349	170 625	4 078	8 336	100 161	317 535	139 773	459 362	15 338
3329	Other fabricated metal product mfg	—	258	95	12 778	462 285	9 460	19 147	295 276	1 266 362	1 086 817	2 362 624	71 630
33291	Metal valve mfg	1	67	42	4 974	198 867	3 515	7 375	113 462	535 210	438 866	977 048	27 688
332911	Industrial valve mfg	1	25	15	g	D	D	D	D	D	D	D	D
332912	Fluid power valve & hose fitting mfg	—	19	9	f	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting & trim mfg	—	7	5	g	D	D	D	D	D	D	D	D
332919	Other metal valve & pipe fitting mfg	1	16	13	1 480	59 655	1 129	2 344	32 980	160 994	141 113	303 119	5 920
33299	All other fabricated metal product mfg	—	191	53	7 804	263 418	5 945	11 772	181 814	731 152	647 951	1 385 576	43 942
332991	Ball & roller bearing mfg	—	8	5	1 389	52 388	1 148	2 349	42 275	158 186	115 318	275 842	16 682
332996	Fabricated pipe & pipe fitting mfg	2	25	6	445	17 361	329	630	8 150	23 369	27 104	51 810	3 348
332998	Enameled iron & metal sanitary ware mfg	—	2	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	—	131	37	4 967	157 845	3 903	7 610	111 445	459 699	475 356	938 753	19 136

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	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg	-	1 639	574	64 758	2 621 294	41 970	86 944	1 453 542	6 168 359	5 296 894	11 540 246	338 907
3331	Agriculture, construction, & mining machinery mfg	-	37	19	5 133	251 886	3 497	7 797	151 041	1 166 763	1 051 375	2 241 527	49 114
33311	Agricultural implement mfg	-	13	7	g	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	-	11	6	f	D	D	D	D	D	D	D	D
333112	Lawn & garden tractor & home lawn & garden equipment mfg	-	2	1	e	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	-	21	10	3 759	208 269	2 469	5 588	121 681	959 386	805 408	1 818 796	41 157
333120	Construction machinery mfg	-	21	10	3 759	208 269	2 469	5 588	121 681	959 386	805 408	1 818 796	41 157
3332	Industrial machinery mfg	1	226	92	8 233	317 557	4 457	8 725	141 004	607 985	618 463	1 233 340	37 093
33322	Plastics & rubber industry machinery mfg	-	26	9	g	D	D	D	D	D	D	D	D
333220	Plastics & rubber industry machinery mfg	-	26	9	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	1	191	82	7 097	276 293	3 763	7 337	122 086	524 717	520 799	1 052 367	31 070
333292	Textile machinery mfg	1	8	3	e	D	D	D	D	D	D	D	D
333293	Printing machinery & equipment mfg	-	57	25	2 258	84 223	894	1 827	34 628	166 889	153 561	319 477	5 051
333294	Food product machinery mfg	-	33	17	1 191	52 128	676	1 446	25 173	106 698	94 729	202 434	D
333298	All other industrial machinery mfg	2	78	33	h	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg	-	131	56	6 302	234 709	3 087	6 245	84 584	520 135	519 681	1 026 909	25 596
33331	Commercial & service industry machinery mfg	-	131	56	6 302	234 709	3 087	6 245	84 584	520 135	519 681	1 026 909	25 596
333312	Commercial laundry, drycleaning, & pressing machine mfg	-	8	6	e	D	D	D	D	D	D	D	D
333313	Office machinery mfg	-	15	8	g	D	D	D	D	D	D	D	138
333315	Photographic & photocopying equipment mfg	1	26	8	e	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	-	59	28	2 952	107 718	1 662	3 514	45 934	274 576	269 788	537 485	11 820
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	2	68	34	4 416	141 107	3 012	5 397	71 987	327 177	275 299	599 937	20 639
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	2	68	34	4 416	141 107	3 012	5 397	71 987	327 177	275 299	599 937	20 639
333411	Air purification equipment mfg	3	21	9	1 012	28 319	621	924	11 647	64 353	72 102	135 924	D
333412	Industrial & commercial fan & blower mfg	2	14	9	g	D	D	D	D	D	D	D	D
333414	Heating equipment (except warm air furnaces) mfg	-	8	3	e	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refig equip mfg	1	25	13	1 707	55 445	1 253	2 334	30 478	131 380	112 530	242 318	10 125
3335	Metalworking machinery mfg	1	779	188	15 598	672 003	11 408	24 996	440 548	1 301 929	649 363	1 995 630	88 230
33351	Metalworking machinery mfg	1	779	188	15 598	672 003	11 408	24 996	440 548	1 301 929	649 363	1 995 630	88 230
333511	Industrial mold mfg	1	245	59	3 588	175 376	2 817	6 467	126 382	303 058	115 813	418 393	28 503
333512	Machine tool (metal cutting types) mfg	3	23	9	f	D	D	D	D	D	D	D	D
333513	Machine tool (metal forming types) mfg	-	16	10	1 477	68 873	937	1 965	41 235	185 354	84 259	276 432	7 716
333514	Special die & tool, die set, jig, & fixture mfg	2	308	63	4 595	198 432	3 575	7 414	134 652	343 795	143 913	490 694	24 015
333515	Cutting tool & machine tool accessory mfg	1	147	30	3 442	122 521	2 542	5 733	80 806	244 236	131 424	371 154	16 285
333518	Other metalworking machinery mfg	2	33	14	1 643	72 651	984	2 210	38 901	163 220	116 203	319 017	6 919

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	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg—Con.												
3336	Engine, turbine, & power transmission equipment mfg	-	51	29	4 579	187 392	3 167	6 279	116 979	428 024	506 645	946 765	25 999
33361	Engine, turbine, & power transmission equipment mfg	-	51	29	4 579	187 392	3 167	6 279	116 979	428 024	506 645	946 765	25 999
333612	Speed changer, industrial high-speed drive, & gear mfg	-	28	15	g	D	D	D	D	D	D	D	9 692
333613	Mechanical power transmission equipment mfg	-	14	7	f	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg	-	9	7	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	-	347	156	20 497	816 640	13 342	27 505	447 399	1 816 346	1 676 068	3 496 138	92 236
33391	Pump & compressor mfg	-	42	21	4 054	148 492	2 631	5 616	82 496	361 060	272 281	635 035	17 158
333911	Pump & pumping equipment mfg	-	23	14	g	D	D	D	D	D	D	D	9 656
333912	Air & gas compressor mfg	-	18	7	g	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	1	78	35	3 457	141 653	2 108	4 538	71 734	270 385	365 749	643 231	15 815
333921	Elevator & moving stairway mfg	6	13	6	e	D	D	D	D	D	D	D	D
333922	Conveyor & conveying equipment mfg	1	44	17	1 770	77 366	1 057	2 267	38 202	146 295	119 373	266 414	6 077
333923	Overhead traveling crane, hoist, & monorail system mfg .	-	8	6	e	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	-	13	6	f	D	D	D	D	D	D	D	7 308
33399	All other general-purpose machinery mfg	-	227	100	12 986	526 495	8 603	17 351	293 169	1 184 901	1 038 038	2 217 872	59 263
333991	Power-driven handtool mfg	1	14	5	482	16 627	356	736	10 729	59 291	76 416	134 852	1 345
333992	Welding & soldering equipment mfg	1	9	7	438	16 739	292	677	9 151	43 384	36 231	77 839	D
333993	Packaging machinery mfg	1	52	27	3 407	140 103	1 848	3 556	60 298	287 922	220 750	509 540	17 896
333994	Industrial process furnace & oven mfg ..	2	23	9	g	D	D	D	D	D	D	D	D
333995	Fluid power cylinder & actuator mfg	-	23	15	4 566	218 980	3 376	6 766	145 315	510 180	403 919	915 673	22 142
333997	Scale & balance (except laboratory) mfg	-	6	4	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general-purpose machinery mfg	1	97	33	2 523	89 047	1 651	3 448	44 986	200 178	173 329	369 839	12 830
334	Computer & electronic product mfg	-	646	304	68 085	2 852 756	36 910	72 994	1 009 445	7 352 520	7 363 432	14 600 949	909 532
3341	Computer & peripheral equipment mfg	-	44	11	2 523	97 600	742	1 627	19 332	294 781	212 444	508 915	34 151
33411	Computer & peripheral equipment mfg	-	44	11	2 523	97 600	742	1 627	19 332	294 781	212 444	508 915	34 151
334119	Other computer peripheral equipment mfg	-	28	9	2 371	93 085	674	1 462	17 127	285 811	200 100	487 580	33 242
3342	Communications equipment mfg	-	79	33	k	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg	-	25	10	i	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	-	25	10	i	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	34	14	j	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	34	14	j	D	D	D	D	D	D	D	D
33429	Other communications equipment mfg	-	20	9	g	D	D	D	D	D	D	D	D
334290	Other communications equipment mfg	-	20	9	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg—Con.												
3343	Audio & video equipment mfg	-	24	8	1 185	43 226	618	1 237	14 926	127 714	94 068	222 196	5 965
33431	Audio & video equipment mfg	-	24	8	1 185	43 226	618	1 237	14 926	127 714	94 068	222 196	5 965
334310	Audio & video equipment mfg	-	24	8	1 185	43 226	618	1 237	14 926	127 714	94 068	222 196	5 965
3344	Semiconductor & other electronic component mfg	1	279	149	19 256	521 853	14 365	27 841	298 040	1 079 690	876 513	1 950 464	78 882
33441	Semiconductor & other electronic component mfg	1	279	149	19 256	521 853	14 365	27 841	298 040	1 079 690	876 513	1 950 464	78 882
334411	Electron tube mfg	-	6	3	h	D	D	D	D	D	D	D	D
334412	Bare printed circuit board mfg	1	80	50	4 750	128 375	3 596	7 578	81 982	268 926	200 400	467 196	28 363
334413	Semiconductor & related device mfg ...	6	20	6	385	12 229	234	357	4 647	37 229	17 813	55 066	9 113
334415	Electronic resistor mfg	1	5	3	e	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, & other inductor mfg	-	44	26	2 002	47 191	1 531	3 119	26 234	89 750	72 834	161 746	4 488
334417	Electronic connector mfg	5	15	9	1 549	46 021	1 123	2 209	27 771	94 572	54 938	150 355	5 870
334418	Printed circuit assembly (electronic assembly) mfg	2	19	13	g	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	-	84	38	4 855	144 351	3 327	5 860	67 734	414 922	231 619	641 331	18 967
3345	Navigational, measuring, medical, & control instruments mfg	-	188	93	14 911	620 940	6 727	13 776	179 467	1 465 765	863 075	2 337 357	81 769
33451	Navigational, measuring, medical, & control instruments mfg	-	188	93	14 911	620 940	6 727	13 776	179 467	1 465 765	863 075	2 337 357	81 769
334510	Electromedical & electrotherapeutic apparatus mfg	-	18	10	g	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	10	6	3 403	182 679	961	1 880	32 844	392 014	133 575	517 796	37 136
334512	Automatic environmental control mfg	-	11	5	f	D	D	D	D	D	D	D	D
334513	Industrial process control instrument mfg	1	35	21	2 130	86 865	983	2 033	27 051	224 957	133 800	356 669	D
334514	Totalizing fluid meter & counting device mfg .	-	12	6	f	D	D	D	D	D	D	D	D
334515	Electricity measuring & testing instrument mfg	1	25	16	g	D	D	D	D	D	D	D	10 443
334516	Analytical laboratory instrument mfg	2	17	5	e	D	D	D	D	D	D	D	D
334517	Irradiation apparatus mfg	-	22	11	1 971	79 609	1 076	2 373	30 060	180 306	170 691	357 567	6 361
334518	Watch, clock, & part mfg	-	9	2	g	D	D	D	D	D	D	D	D
334519	Other measuring & controlling device mfg	1	29	11	g	D	D	D	D	D	D	D	3 877
3346	Mfg & reproducing magnetic & optical media .	1	32	10	g	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	1	32	10	g	D	D	D	D	D	D	D	D
334612	Prerecorded CD (except software), tape, & record reproducing	-	26	9	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	382	199	31 890	1 072 961	21 134	43 342	534 630	2 830 210	2 316 156	5 129 656	225 314
3351	Electric lighting equipment mfg	1	79	38	5 300	168 400	3 589	7 028	72 948	446 638	362 021	807 173	D
33511	Electric lamp bulb & part mfg	2	5	3	e	D	D	D	D	D	D	D	D
335110	Electric lamp bulb & part mfg	2	5	3	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg—Con.												
3351	Electric lighting equipment mfg—Con.												
33512	Lighting fixture mfg	1	74	35	i	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture mfg . . .	1	29	15	h	D	D	D	D	D	D	D	D
335122	Commercial/industrial/institutional electric lighting fixture mfg . . .	—	21	11	g	D	D	D	D	D	D	D	D
335129	Other lighting equipment mfg	1	24	9	f	D	D	D	D	D	D	D	D
3352	Household appliance mfg. . .	—	18	12	2 695	77 875	2 149	4 761	54 308	267 198	286 270	551 216	D
33521	Small electrical appliance mfg	—	10	4	f	D	D	D	D	D	D	D	D
335211	Electric housewares & household fan mfg . . .	—	10	4	f	D	D	D	D	D	D	D	D
33522	Major appliance mfg	—	8	8	g	D	D	D	D	D	D	D	D
335221	Household cooking appliance mfg	—	7	7	g	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg . .	—	162	80	11 615	406 471	7 600	15 761	202 244	1 005 183	810 649	1 785 476	69 283
33531	Electrical equipment mfg	—	162	80	11 615	406 471	7 600	15 761	202 244	1 005 183	810 649	1 785 476	69 283
335311	Power, distribution, & specialty transformer mfg	—	15	11	1 941	61 759	1 247	2 602	26 267	222 455	160 728	375 909	11 955
335312	Motor & generator mfg	1	31	18	1 827	49 979	1 350	2 753	30 979	171 343	117 610	289 620	4 345
335313	Switchgear & switchboard apparatus mfg	—	35	19	4 282	176 146	2 856	6 643	96 136	350 537	259 551	611 622	31 270
335314	Relay & industrial control mfg	1	81	32	3 565	118 587	2 147	3 763	48 862	260 848	272 760	508 325	21 713
3359	Other electrical equipment & component mfg	—	123	69	12 280	420 215	7 796	15 792	205 130	1 111 191	857 216	1 985 791	84 756
33591	Battery mfg	—	8	4	f	D	D	D	D	D	D	D	D
335911	Storage battery mfg . . .	—	8	4	f	D	D	D	D	D	D	D	D
33592	Communication & energy wire & cable mfg	—	12	10	2 552	101 054	1 359	3 125	40 191	383 505	158 868	555 361	33 678
335929	Other communication & energy wire mfg . . .	—	11	9	h	D	D	D	D	D	D	D	33 678
33593	Wiring device mfg	—	49	32	6 527	212 946	4 415	8 350	116 800	478 717	392 208	876 510	42 672
335931	Current-carrying wiring device mfg	—	32	23	h	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device mfg	—	17	9	g	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg	1	54	23	h	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment & component mfg	1	49	23	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	283	150	26 029	1 020 224	19 983	39 798	693 217	4 067 823	5 590 023	9 657 725	306 530
3361	Motor vehicle mfg	—	8	3	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	—	8	3	h	D	D	D	D	D	D	D	D
336111	Automobile mfg	—	4	3	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg	—	15	12	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg	—	15	12	g	D	D	D	D	D	D	D	D
336211	Motor vehicle body mfg	1	8	5	f	D	D	D	D	D	D	D	D
336212	Truck trailer mfg	—	5	5	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg . . .	—	198	107	15 289	535 885	12 087	23 147	367 684	1 338 483	1 468 172	2 820 405	212 192
33631	Motor vehicle gasoline engine & engine parts mfg	2	24	11	g	D	D	D	D	D	D	D	8 417
336312	Gasoline engine & engine parts mfg	3	22	10	1 238	31 104	916	1 474	19 408	60 050	91 854	147 257	D
33632	Motor vehicle electrical & electronic equipment mfg	1	49	21	g	D	D	D	D	D	D	D	8 846
336322	Other motor vehicle electrical & electronic equipment mfg	1	42	18	g	D	D	D	D	D	D	D	D

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	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg—Con.												
33633	Motor vehicle steering & suspension component (except spring) mfg	1	6	3	e	D	D	D	D	D	D	D	D
336330	Motor vehicle steering & suspension component (except spring) mfg	1	6	3	e	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system mfg	—	9	5	f	D	D	D	D	D	D	D	4 244
336340	Motor vehicle brake system mfg	—	9	5	f	D	D	D	D	D	D	D	4 244
33635	Motor vehicle transmission & power train parts mfg	—	15	6									
336350	Motor vehicle transmission & power train parts mfg	—	15	6	1 952	71 970	1 547	2 784	49 679	192 568	126 894	325 119	D
33636	Motor vehicle seating & interior trim mfg	—	8	5	f	D	D	D	D	D	D	D	D
336360	Motor vehicle seating & interior trim mfg	—	8	5	f	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	43	34	4 875	233 885	4 037	8 273	176 238	539 448	603 432	1 150 087	135 294
336370	Motor vehicle metal stamping	—	43	34	4 875	233 885	4 037	8 273	176 238	539 448	603 432	1 150 087	135 294
33639	Other motor vehicle parts mfg	1	44	22	2 856	93 480	2 132	3 842	55 676	245 173	279 273	524 283	34 803
336399	All other motor vehicle parts mfg	1	44	22	2 856	93 480	2 132	3 842	55 676	245 173	279 273	524 283	34 803
3364	Aerospace product & parts mfg	1	14	7	f	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	1	14	7	f	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	1	11	5	e	D	D	D	D	D	D	D	D
3365	Railroad rolling stock mfg	—	29	17	5 204	252 155	3 341	7 572	144 129	475 278	1 156 035	1 632 068	24 070
33651	Railroad rolling stock mfg	—	29	17	5 204	252 155	3 341	7 572	144 129	475 278	1 156 035	1 632 068	24 070
336510	Railroad rolling stock mfg	—	29	17	5 204	252 155	3 341	7 572	144 129	475 278	1 156 035	1 632 068	24 070
3369	Other transportation equipment mfg	2	12	4	e	D	D	D	D	D	D	D	D
33699	Other transportation equipment mfg	2	12	4	e	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, & parts mfg	2	7	4	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	1	591	127	13 966	412 591	10 680	21 145	252 625	940 735	783 493	1 737 927	43 122
3371	Household & institutional furniture & kitchen cabinet mfg	3	383	49	4 952	127 026	3 905	7 388	83 064	254 978	239 696	495 453	10 041
33711	Wood kitchen cabinet & counter top mfg	3	208	16	1 945	50 930	1 569	3 030	34 944	88 188	70 528	158 193	4 073
337110	Wood kitchen cabinet & counter top mfg	3	208	16	1 945	50 930	1 569	3 030	34 944	88 188	70 528	158 193	4 073
33712	Household & institutional furniture mfg	2	175	33	3 007	76 096	2 336	4 358	48 120	166 790	169 168	337 260	5 968
337121	Upholstered household furniture mfg	4	45	6	f	D	D	D	D	D	D	D	D
337122	Nonupholstered wood household furniture mfg	3	71	11	1 055	26 373	846	1 617	18 874	52 925	76 749	130 786	1 754
337127	Institutional furniture mfg	2	42	13	1 206	35 430	896	1 783	19 327	85 096	65 590	150 646	3 118

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	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Chicago, IL PMSA—Con.												
31-33	Manufacturing—Con.												
337	Furniture & related product mfg—Con.												
3372	Office furniture (including fixtures) mfg	1	162	68	7 743	254 441	5 881	11 973	149 827	606 779	455 987	1 076 323	30 685
33721	Office furniture (including fixtures) mfg	1	162	68	7 743	254 441	5 881	11 973	149 827	606 779	455 987	1 076 323	30 685
337211	Wood office furniture mfg	4	22	9	f	D	D	D	D	D	D	D	971
337212	Custom architectural woodwork & millwork mfg	1	33	9	f	D	D	D	D	D	D	D	2 734
337214	Office furniture (except wood) mfg	2	13	7	1 214	44 964	868	1 873	21 054	106 222	66 177	173 102	5 653
337215	Showcase, partition, shelving, & locker mfg	—	94	43	5 414	167 576	4 195	8 322	102 206	420 656	331 661	759 273	21 327
3379	Other furniture related product mfg	1	46	10	1 271	31 124	894	1 784	19 734	78 978	87 810	166 151	2 396
33791	Mattress mfg	—	19	6	f	D	D	D	D	D	D	D	D
337910	Mattress mfg	—	19	6	f	D	D	D	D	D	D	D	D
33792	Blind & shade mfg	4	27	4	f	D	D	D	D	D	D	D	D
337920	Blind & shade mfg	4	27	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	1	1 080	266	32 804	1 102 493	21 168	41 429	526 753	2 433 457	2 021 523	4 430 452	161 364
3391	Medical equipment & supplies mfg	2	429	71	9 699	373 464	5 913	11 421	184 108	748 192	601 931	1 347 419	51 290
33911	Medical equipment & supplies mfg	2	429	71	9 699	373 464	5 913	11 421	184 108	748 192	601 931	1 347 419	51 290
339111	Laboratory apparatus & furniture mfg	—	15	6	f	D	D	D	D	D	D	D	D
339112	Surgical & medical instrument mfg	5	54	23	3 568	178 984	2 272	4 638	101 359	271 396	147 934	418 349	18 807
339113	Surgical appliance & supplies mfg	—	54	17	1 865	55 649	1 226	2 272	25 533	106 113	206 184	316 676	4 922
339114	Dental equipment & supplies mfg	—	42	11	1 368	52 296	779	1 500	21 616	142 066	90 387	231 609	7 284
339115	Ophthalmic goods mfg	—	24	5	948	29 133	400	790	6 231	122 133	84 321	198 273	15 747
339116	Dental laboratories	6	240	9	g	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg	1	651	195	23 105	729 029	15 255	30 008	342 645	1 685 265	1 419 592	3 083 033	110 074
33991	Jewelry & silverware mfg	3	78	12	f	D	D	D	D	D	D	D	D
339911	Jewelry (except costume) mfg	3	46	6	e	D	D	D	D	D	D	D	D
339912	Silverware & plated ware mfg	1	8	3	e	D	D	D	D	D	D	D	D
33992	Sporting & athletic goods mfg	1	58	19	2 215	74 442	1 257	2 279	22 841	166 270	166 868	331 796	9 849
339920	Sporting & athletic goods mfg	1	58	19	2 215	74 442	1 257	2 279	22 841	166 270	166 868	331 796	9 849
33993	Doll, toy, & game mfg	—	52	13	g	D	D	D	D	D	D	D	17 401
339932	Game, toy, & children's vehicle mfg	—	47	11	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) mfg	—	59	15	1 631	56 336	1 076	2 260	28 010	207 766	184 235	383 802	D
339941	Pen & mechanical pencil mfg	—	4	2	f	D	D	D	D	D	D	D	D
339942	Lead pencil & art good mfg	1	9	5	e	D	D	D	D	D	D	D	D
339943	Marking device mfg	2	41	5	e	D	D	D	D	D	D	D	D
33995	Sign mfg	1	206	54	4 395	157 024	2 729	5 410	70 549	295 672	251 127	537 468	13 206
339950	Sign mfg	1	206	54	4 395	157 024	2 729	5 410	70 549	295 672	251 127	537 468	13 206
33999	All other miscellaneous mfg	1	198	82	12 111	366 619	8 246	16 419	182 910	814 947	600 242	1 409 993	59 832
339991	Gasket, packing, & sealing device mfg	—	44	24	5 171	174 495	3 300	6 295	84 038	402 904	231 345	631 097	D
339992	Musical instrument mfg	1	23	8	595	17 148	466	929	10 677	41 848	28 615	72 374	2 918
339993	Fastener, button, needle, & pin mfg	3	9	4	e	D	D	D	D	D	D	D	D
339994	Broom, brush, & mop mfg	—	16	9	982	36 916	608	1 600	17 760	82 145	57 404	139 352	D
339999	All other miscellaneous mfg	2	102	35	5 027	130 900	3 627	7 133	65 937	270 853	265 173	532 640	18 341

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

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	CHICAGO-GARY-KENOSHA, IL-IN-WI CMSA—Con.												
	Kankakee, IL PMSA												
31-33	Manufacturing	-	116	51	6 937	263 752	4 879	11 000	159 588	914 868	1 358 260	2 253 237	132 518
311	Food mfg.....	-	14	7	1 106	42 417	853	2 145	29 303	109 137	246 096	356 084	18 000
3111	Animal food mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
31111	Animal food mfg.....	-	2	1	e	D	D	D	D	D	D	D	D
311111	Dog & cat food mfg...	-	2	1	e	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling	-	3	2	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
322	Paper mfg.....	4	6	5	358	8 778	291	651	6 670	28 259	38 237	66 160	2 874
3222	Converted paper product mfg.....	4	6	5	358	8 778	291	651	6 670	28 259	38 237	66 160	2 874
323	Printing & related support activities.....	-	6	2	e	D	D	D	D	D	D	D	810
3231	Printing & related support activities.....	-	6	2	e	D	D	D	D	D	D	D	810
32311	Printing	-	5	2	e	D	D	D	D	D	D	D	810
323112	Commercial flexographic printing ..	-	1	1	e	D	D	D	D	D	D	D	D
325	Chemical mfg.....	-	13	11	2 078	98 772	1 149	2 430	40 614	361 813	586 119	919 720	51 800
3254	Pharmaceutical & medicine mfg.....	-	3	3	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	3	3	g	D	D	D	D	D	D	D	D
325411	Medicinal & botanical mfg	-	1	1	e	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg.....	1	5	5	f	D	D	D	D	D	D	D	D
32551	Paint & coating mfg.....	1	3	3	407	15 309	231	541	7 022	65 779	88 386	159 527	3 303
325510	Paint & coating mfg....	1	3	3	407	15 309	231	541	7 022	65 779	88 386	159 527	3 303
326	Plastics & rubber products mfg.....	-	12	7	914	37 064	780	1 791	31 694	148 280	140 625	291 081	10 972
3261	Plastics product mfg.....	-	11	7	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg.....	-	6	4	699	29 615	613	1 395	26 474	115 655	94 369	212 087	9 406
326192	Resilient floor covering mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
326199	All other plastics product mfg.....	-	5	3	e	D	D	D	D	D	D	D	D
331	Primary metal mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
3311	Iron & steel mills & ferroalloy mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
331111	Iron & steel mills	-	1	1	e	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	-	1	1	e	D	D	D	D	D	D	D	D
33122	Rolling & drawing of purchased steel	-	1	1	e	D	D	D	D	D	D	D	D
331222	Steel wire drawing....	-	1	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	-	25	5	465	14 110	381	793	10 433	42 874	67 516	109 671	2 232
333	Machinery mfg.....	-	8	4	367	15 463	188	402	5 742	40 158	34 457	78 869	2 728
335	Electrical equipment, appliance, & component 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

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	DAVENPORT-MOLINE-ROCK ISLAND, IA-IL MSA												
	Manufacturing	-	460	162	26 539	1 096 313	19 964	41 726	773 407	4 313 201	5 151 952	9 411 592	259 420
	Davenport-Moline-Rock Island, IA-IL MSA (IL Part) .	-	250	84	14 694	618 016	11 216	23 646	449 628	2 123 417	2 723 894	4 796 824	124 760
	Davenport-Moline-Rock Island, IA-IL MSA (IA Part) .	-	210	78	11 845	478 297	8 748	18 080	323 779	2 189 784	2 428 058	4 614 768	134 660
311	Food mfg	-	37	14	3 788	131 041	2 967	6 445	105 142	797 309	1 617 384	2 418 539	41 147
3111	Animal food mfg	-	4	2	e	D	D	D	D	D	D	D	D
31111	Animal food mfg	-	4	2	e	D	D	D	D	D	D	D	D
311111	Dog & cat food mfg	-	1	1	e	D	D	D	D	D	D	D	D
3116	Meat product mfg	-	10	5	2 612	92 843	2 258	5 093	82 717	504 752	1 341 658	1 851 255	D
31161	Animal slaughtering & processing	-	10	5	2 612	92 843	2 258	5 093	82 717	504 752	1 341 658	1 851 255	D
311611	Animal (except poultry) slaughtering	-	7	3	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	-	3	2	e	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	-	12	4	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	-	12	4	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	3	3	f	D	D	D	D	D	D	D	D
315	Apparel mfg	-	3	2	e	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	-	2	2	e	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg	-	1	1	e	D	D	D	D	D	D	D	D
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	-	1	1	e	D	D	D	D	D	D	D	D
316	Leather & allied product mfg	-	2	1	e	D	D	D	D	D	D	D	D
3162	Footwear mfg	-	1	1	e	D	D	D	D	D	D	D	D
31621	Footwear mfg	-	1	1	e	D	D	D	D	D	D	D	D
316211	Rubber & plastics footwear mfg	-	1	1	e	D	D	D	D	D	D	D	D
321	Wood product mfg	-	18	5	386	8 179	323	658	6 319	19 161	18 548	38 248	983
322	Paper mfg	1	6	4	442	13 424	360	782	8 213	36 411	39 491	75 654	D
3222	Converted paper product mfg	1	6	4	442	13 424	360	782	8 213	36 411	39 491	75 654	D
32221	Paperboard container mfg	-	5	3	e	D	D	D	D	D	D	D	D
322211	Corrugated & solid fiber box mfg	-	4	2	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	-	50	5	g	D	D	D	D	D	D	D	4 241
3231	Printing & related support activities	-	50	5	g	D	D	D	D	D	D	D	4 241
32311	Printing	-	46	5	1 010	29 425	733	1 429	18 990	55 618	31 731	87 289	4 099
323114	Quick printing	1	14	1	e	D	D	D	D	D	D	D	D
323117	Book printing	-	1	1	e	D	D	D	D	D	D	D	D
325	Chemical mfg	-	13	6	860	36 635	570	1 162	22 238	183 786	220 803	392 274	D
3259	Other chemical product mfg	-	4	2	f	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
325998	All other miscellaneous chemical product & preparation mfg	-	4	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	14	6	e	D	D	D	D	D	D	D	D
3261	Plastics product mfg	1	10	5	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	21	6	587	19 567	447	929	13 789	81 054	59 571	140 888	7 019
3273	Cement & concrete product mfg	-	19	5	e	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	17	9	3 883	184 233	3 099	6 450	135 659	696 358	944 593	1 654 781	D
3313	Alumina & aluminum production & processing	-	3	3	h	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing	-	3	3	h	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, & foil mfg	-	3	3	h	D	D	D	D	D	D	D	D
3315	Foundries	-	13	6	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	-	2	1	e	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment)	-	1	1	e	D	D	D	D	D	D	D	D
33152	Nonferrous metal foundries	-	10	4	284	10 059	228	467	6 462	14 955	13 896	29 126	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	DAVENPORT—MOLINE—ROCK ISLAND, IA—IL MSA—Con.												
	Manufacturing—Con.												
332	Fabricated metal product mfg.....	-	113	46	3 366	102 775	2 502	4 659	63 485	233 866	142 986	372 013	16 654
3323	Architectural & structural metals mfg.....	-	15	5	670	18 314	523	820	12 128	38 052	35 199	73 492	2 504
33231	Plate work & fabricated structural product mfg..	1	6	1	266	6 028	230	175	4 624	10 848	8 742	19 671	D
33232	Ornamental & architectural metal products mfg.....	-	9	4	404	12 286	293	645	7 504	27 204	26 457	53 821	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	1	44	18	1 161	32 796	933	1 728	22 350	67 542	41 317	106 212	7 024
33271	Machine shops.....	-	40	16	1 047	29 371	830	1 586	19 847	60 872	39 322	97 534	6 210
332710	Machine shops.....	-	40	16	1 047	29 371	830	1 586	19 847	60 872	39 322	97 534	6 210
3328	Coating, engraving, heat treating, & allied activities.	-	17	7	421	11 362	312	561	7 135	24 800	8 498	33 597	1 291
33281	Coating, engraving, heat treating, & allied activities.....	-	17	7	421	11 362	312	561	7 135	24 800	8 498	33 597	1 291
3329	Other fabricated metal product mfg.....	-	19	7	607	24 484	366	726	12 255	59 501	27 261	84 827	2 353
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.....	-	17	6	e	D	D	D	D	D	D	D	D
333	Machinery mfg.....	-	71	38	9 268	503 114	6 573	14 787	355 388	2 007 661	1 859 149	3 811 821	91 666
3331	Agriculture, construction, & mining machinery mfg....	-	20	12	6 990	417 618	4 982	11 286	302 911	1 801 349	1 703 549	3 449 857	80 184
33311	Agricultural implement mfg.....	-	13	7	5 319	330 910	3 916	8 869	250 669	1 408 409	1 154 311	2 516 802	63 676
333111	Farm machinery & equipment mfg.....	-	13	7	5 319	330 910	3 916	8 869	250 669	1 408 409	1 154 311	2 516 802	63 676
33312	Construction machinery mfg.....	-	6	5	g	D	D	D	D	D	D	D	D
333120	Construction machinery mfg.....	-	6	5	g	D	D	D	D	D	D	D	D
3332	Industrial machinery mfg..	-	4	3	280	12 956	162	334	5 807	38 763	13 747	51 827	1 899
33329	Other industrial machinery mfg.....	-	4	3	280	12 956	162	334	5 807	38 763	13 747	51 827	1 899
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg.....	-	5	4	e	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg..	-	5	4	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg.....	4	21	10	744	28 188	546	1 137	17 612	57 181	30 712	84 658	4 612
33351	Metalworking machinery mfg.....	4	21	10	744	28 188	546	1 137	17 612	57 181	30 712	84 658	4 612
333514	Special die & tool, die set, jig, & fixture mfg..	4	11	6	286	12 694	234	647	9 556	21 971	8 725	28 452	D
333515	Cutting tool & machine tool accessory mfg..	-	4	3	e	D	D	D	D	D	D	D	1 778
3339	Other general-purpose machinery mfg.....	-	16	8	f	D	D	D	D	D	D	D	3 911
33391	Pump & compressor mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
333913	Measuring & dispensing pump mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg.....	-	5	4	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	-	14	3	f	D	D	D	D	D	D	D	972
3362	Motor vehicle body & trailer mfg.....	-	3	2	e	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg.....	-	3	2	e	D	D	D	D	D	D	D	D
336212	Truck trailer mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
337	Furniture & related product mfg.....	1	18	5	e	D	D	D	D	D	D	D	D
339	Miscellaneous mfg.....	1	34	5	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
DECATUR, IL MSA													
31-33	Manufacturing	-	134	45	11 616	479 406	8 240	16 177	319 733	2 182 892	3 833 751	6 114 166	193 557
311	Food mfg.....	-	15	10	1 741	70 315	1 189	2 805	45 239	982 377	1 768 306	2 740 081	119 629
3112	Grain & oilseed milling	-	7	6	g	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg.....	-	6	5	g	D	D	D	D	D	D	D	D
311221	Wet corn milling.....	-	2	2	f	D	D	D	D	D	D	D	D
311222	Soybean processing ..	-	3	2	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	-	10	5	658	26 365	455	1 015	14 998	345 284	290 645	625 450	17 111
3251	Basic chemical mfg.....	-	4	2	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
325199	All other basic organic chemical mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg.....	-	3	3	e	D	D	D	D	D	D	D	12 627
32541	Pharmaceutical & medicine mfg.....	-	3	3	e	D	D	D	D	D	D	D	12 627
325412	Pharmaceutical preparation mfg.....	-	2	2	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	-	3	2	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg.....	-	2	1	g	D	D	D	D	D	D	D	D
32621	Tire mfg.....	-	1	1	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
327	Nonmetallic mineral product mfg.....	-	6	3	f	D	D	D	D	D	D	D	2 077
3272	Glass & glass product mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
327211	Flat glass mfg.....	-	1	1	e	D	D	D	D	D	D	D	D
331	Primary metal mfg.....	-	2	2	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.....	-	38	10	1 371	40 148	799	1 758	29 319	61 742	66 506	127 566	3 972
3329	Other fabricated metal product mfg.....	-	6	4	919	25 891	478	1 117	20 177	33 557	33 653	67 690	2 385
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.....	-	12	4	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg....	-	2	2	h	D	D	D	D	D	D	D	D
33312	Construction machinery mfg.....	-	1	1	h	D	D	D	D	D	D	D	D
333120	Construction machinery mfg.....	-	1	1	h	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
33639	Other motor vehicle parts mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning mfg.....	-	2	2	f	D	D	D	D	D	D	D	D
PEORIA-PEKIN, IL MSA													
31-33	Manufacturing	-	350	143	23 638	996 395	16 691	33 727	628 310	3 605 699	4 045 897	7 550 512	231 574
311	Food mfg.....	1	28	15	936	31 116	554	1 061	14 097	136 384	95 167	232 525	3 296
3118	Bakeries & tortilla mfg.....	-	7	4	e	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg.....	-	7	4	e	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	-	2	2	e	D	D	D	D	D	D	D	D
322	Paper mfg.....	-	6	3	328	11 477	268	600	8 719	33 561	32 229	65 735	1 951
323	Printing & related support activities.....	1	56	18	1 688	52 116	963	1 910	25 752	116 576	60 739	178 474	8 552
3231	Printing & related support activities.....	1	56	18	1 688	52 116	963	1 910	25 752	116 576	60 739	178 474	8 552
32311	Printing.....	1	51	18	1 670	51 257	948	1 884	25 346	115 199	60 561	176 918	8 475
323110	Commercial lithographic printing ..	-	24	13	1 269	39 595	661	1 296	18 789	87 148	37 176	125 150	4 756

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

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	PEORIA-PEKIN, IL MSA—Con.												
31-33	Manufacturing—Con.												
325	Chemical mfg	-	19	10	1 328	58 779	880	1 834	36 804	385 045	784 762	1 065 212	60 628
3251	Basic chemical mfg	-	9	7	f	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg	-	5	5	732	32 349	465	930	19 403	94 352	585 855	684 220	35 725
325193	Ethyl alcohol mfg	1	3	3	f	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	-	1	1	e	D	D	D	D	D	D	D	D
325613	Surface active agent mfg	-	1	1	e	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	9	7	1 030	40 601	732	1 447	24 118	119 257	104 508	221 254	7 249
3261	Plastics product mfg	1	6	5	f	D	D	D	D	D	D	D	D
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
3262	Rubber product mfg	-	3	2	e	D	D	D	D	D	D	D	D
32622	Rubber & plastics hoses & belting mfg	-	1	1	e	D	D	D	D	D	D	D	D
326220	Rubber & plastics hoses & belting mfg..	-	1	1	e	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	-	19	4	271	6 746	190	297	4 811	14 775	17 434	32 106	1 788
331	Primary metal mfg	-	9	7	2 714	124 662	2 164	4 461	95 808	275 023	285 548	550 085	34 448
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
3315	Foundries	-	6	5	g	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
33152	Nonferrous metal foundries	1	5	4	340	12 440	277	623	9 641	25 156	16 671	41 633	D
332	Fabricated metal product mfg	-	88	41	4 364	132 190	3 369	6 792	85 600	361 841	282 900	639 545	26 774
3323	Architectural & structural metals mfg	-	21	16	2 352	72 395	1 865	3 864	46 970	193 626	168 412	363 720	13 895
33231	Plate work & fabricated structural product mfg ..	-	14	10	1 288	44 119	1 009	2 063	28 470	124 598	107 003	232 589	5 200
332311	Prefabricated metal building & component mfg	-	1	1	e	D	D	D	D	D	D	D	D
332312	Fabricated structural metal mfg	-	6	4	527	22 412	344	702	10 805	52 273	45 064	98 696	2 880
332313	Plate work mfg	-	7	5	e	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	-	7	6	1 064	28 276	856	1 801	18 500	69 028	61 409	131 131	8 695
332322	Sheet metal work mfg ..	-	6	6	g	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	37	13	722	25 708	586	1 211	17 292	59 406	31 626	89 404	7 394
33271	Machine shops	1	32	9	597	21 331	488	1 030	14 526	50 711	27 727	76 700	6 378
332710	Machine shops	1	32	9	597	21 331	488	1 030	14 526	50 711	27 727	76 700	6 378
3328	Coating, engraving, heat treating, & allied activities.	9	11	5	443	10 313	368	684	7 197	23 118	7 192	29 650	1 469
33281	Coating, engraving, heat treating, & allied activities	9	11	5	443	10 313	368	684	7 197	23 118	7 192	29 650	1 469
332812	Metal coating engraving (exc jewelry/silverware)/ allied services	9	7	4	314	6 568	267	476	4 787	15 533	4 569	19 399	D
3329	Other fabricated metal product mfg	-	12	5	738	20 223	470	882	11 890	81 398	66 927	142 209	3 952
33291	Metal valve mfg	-	1	1	e	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting & trim mfg	-	1	1	e	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	-	11	4	e	D	D	D	D	D	D	D	D

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PEORIA-PEKIN, IL MSA—Con.													
31-33	Manufacturing—Con.												
333	Machinery mfg	-	23	13	8 627	469 750	5 928	12 233	294 382	2 017 848	2 195 625	4 235 248	79 766
3331	Agriculture, construction, & mining machinery mfg	-	7	4	h	D	D	D	D	D	D	D	45 720
33311	Agricultural implement mfg	-	2	1	e	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	-	2	1	e	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	-	5	3	h	D	D	D	D	D	D	D	D
333120	Construction machinery mfg	-	5	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
333618	Other engine equipment mfg	-	2	2	h	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	5	7	4	e	D	D	D	D	D	D	D	2 444
335	Electrical equipment, appliance, & component mfg	3	10	5	393	15 644	263	483	8 373	36 128	31 853	66 997	1 460
3353	Electrical equipment mfg	1	7	3	e	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	1	7	3	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	6	4	334	9 436	214	323	4 147	10 804	33 674	46 312	2 297
337	Furniture & related product mfg	1	27	6	651	19 089	510	1 077	11 942	41 446	74 334	112 606	1 624
3371	Household & institutional furniture & kitchen cabinet mfg	5	21	5	e	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg	-	4	1	e	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) mfg	-	4	1	e	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	26	6	652	15 827	416	734	7 749	32 624	17 240	49 949	571
3391	Medical equipment & supplies mfg	1	13	3	337	7 883	259	428	4 731	17 126	3 929	21 125	215
33911	Medical equipment & supplies mfg	1	13	3	337	7 883	259	428	4 731	17 126	3 929	21 125	215
3399	Other miscellaneous mfg	-	13	3	315	7 944	157	306	3 018	15 498	13 311	28 824	356
ROCKFORD, IL MSA													
31-33	Manufacturing	-	912	345	51 445	1 933 636	36 944	74 866	1 203 213	4 716 032	5 297 898	9 928 907	385 583
311	Food mfg	1	30	15	3 580	103 778	3 033	6 041	80 584	489 035	734 613	1 203 599	32 589
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
3114	Fruit & vegetable preserving & specialty food mfg	-	1	1	e	D	D	D	D	D	D	D	D
31141	Frozen food mfg	-	1	1	e	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, & vegetable mfg	-	1	1	e	D	D	D	D	D	D	D	D
3115	Dairy product mfg	4	6	5	573	20 203	416	921	13 266	98 781	219 676	317 215	D
31151	Dairy product (except frozen) mfg	2	5	4	e	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	4	2	2	e	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	-	1	1	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	-	10	3	288	5 910	242	506	4 860	17 363	14 672	32 003	1 793
3119	Other food mfg	-	7	3	327	8 313	294	520	6 341	33 874	28 091	62 010	3 729
31191	Snack food mfg	1	4	2	e	D	D	D	D	D	D	D	D
311919	Other snack food mfg	1	4	2	e	D	D	D	D	D	D	D	D
321	Wood product mfg	1	19	6	431	9 341	356	641	6 351	21 156	22 627	43 563	2 079
3219	Other wood product mfg	2	13	4	261	5 530	217	434	3 991	13 207	8 796	21 780	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ROCKFORD, IL MSA—Con.												
	Manufacturing—Con.												
322	Paper mfg	—	8	7	917	28 297	776	1 627	21 974	126 779	90 585	215 501	5 157
3222	Converted paper product mfg	—	7	6	f	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	—	5	5	e	D	D	D	D	D	D	D	D
322211	Corrugated & solid fiber box mfg	—	3	3	e	D	D	D	D	D	D	D	D
32223	Stationery product mfg	—	1	1	e	D	D	D	D	D	D	D	D
322231	Die-cut paper & paperboard office supplies mfg	—	1	1	e	D	D	D	D	D	D	D	D
323	Printing & related support activities	—	62	13	1 729	50 264	1 389	2 667	36 593	92 811	73 914	164 803	6 079
3231	Printing & related support activities	—	62	13	1 729	50 264	1 389	2 667	36 593	92 811	73 914	164 803	6 079
32311	Printing	—	56	12	1 667	48 614	1 334	2 576	35 342	89 881	73 269	161 226	5 881
323110	Commercial lithographic printing	1	29	6	383	10 770	283	513	7 012	18 728	13 323	32 109	1 066
323111	Commercial gravure printing	—	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg	—	20	10	1 166	39 097	731	1 500	21 154	231 848	170 504	398 312	9 711
3254	Pharmaceutical & medicine mfg	—	5	2	e	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	—	5	2	e	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg	—	7	4	640	21 000	410	864	11 738	148 318	98 935	244 498	5 296
32551	Paint & coating mfg	—	6	3	f	D	D	D	D	D	D	D	D
325510	Paint & coating mfg	—	6	3	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	2	30	13	823	24 709	629	1 391	17 238	77 381	79 203	156 904	10 667
3261	Plastics product mfg	1	24	12	751	22 553	573	1 270	15 777	71 541	73 475	145 285	10 271
32619	Other plastics product mfg	2	17	9	552	15 680	416	907	10 379	33 743	28 694	62 494	3 158
326199	All other plastics product mfg	2	17	9	552	15 680	416	907	10 379	33 743	28 694	62 494	3 158
327	Nonmetallic mineral product mfg	1	31	11	850	32 303	592	1 358	19 936	66 347	53 466	125 637	6 224
3273	Cement & concrete product mfg	2	24	9	609	22 730	466	1 092	15 602	51 421	36 932	87 488	5 340
32739	Other concrete product mfg	—	8	4	262	10 166	188	432	5 846	24 491	11 884	35 958	2 693
327390	Other concrete product mfg	—	8	4	262	10 166	188	432	5 846	24 491	11 884	35 958	2 693
331	Primary metal mfg	—	20	15	1 659	51 488	1 363	2 809	36 663	118 515	188 562	308 447	8 754
3314	Nonferrous metal (except aluminum) production & processing	—	3	3	252	8 197	201	409	6 191	24 234	93 269	117 783	D
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	—	3	3	252	8 197	201	409	6 191	24 234	93 269	117 783	D
3315	Foundries	—	13	8	1 104	34 164	971	1 982	25 127	70 948	35 275	106 406	4 437
33151	Ferrous metal foundries	—	3	3	461	14 183	402	764	9 723	32 521	13 006	45 246	D
331511	Iron foundries	—	3	3	461	14 183	402	764	9 723	32 521	13 006	45 246	D
33152	Nonferrous metal foundries	1	10	5	643	19 981	569	1 218	15 404	38 427	22 269	61 160	D
331522	Nonferrous (except aluminum) die-casting foundries	—	4	1	e	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	337	117	12 481	421 981	9 979	20 803	291 351	985 160	630 539	1 621 575	67 809
3321	Forging & stamping	—	10	5	384	14 700	306	728	10 140	39 583	24 983	64 869	1 558
33211	Forging & stamping	—	10	5	384	14 700	306	728	10 140	39 583	24 983	64 869	1 558
3322	Cutlery & handtool mfg	—	14	5	785	23 791	659	1 355	15 378	60 998	26 540	85 356	1 572
33221	Cutlery & handtool mfg	—	14	5	785	23 791	659	1 355	15 378	60 998	26 540	85 356	1 572
332212	Hand & edge tool mfg	—	13	4	f	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	1	30	11	546	22 080	369	790	11 360	42 398	36 201	78 633	4 660
33232	Ornamental & architectural metal products mfg	—	18	6	316	10 841	214	450	6 046	23 674	12 959	36 613	3 595
332322	Sheet metal work mfg	—	12	5	278	9 721	184	383	5 387	20 046	10 874	30 856	3 503
3324	Boiler, tank, & shipping container mfg	—	3	2	328	10 341	266	545	8 051	28 388	38 969	66 933	D
33243	Metal can, box, & other metal container (light gauge) mfg	—	3	2	328	10 341	266	545	8 051	28 388	38 969	66 933	D
332431	Metal can mfg	—	3	2	328	10 341	266	545	8 051	28 388	38 969	66 933	D
3325	Hardware mfg	2	7	4	1 891	50 510	1 464	2 398	34 473	123 498	89 334	226 529	D
33251	Hardware mfg	2	7	4	1 891	50 510	1 464	2 398	34 473	123 498	89 334	226 529	D
332510	Hardware mfg	2	7	4	1 891	50 510	1 464	2 398	34 473	123 498	89 334	226 529	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ROCKFORD, IL MSA—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3326	Spring & wire product mfg .	—	12	7	805	23 006	599	1 236	12 301	52 286	32 073	82 550	4 262
33261	Spring & wire product mfg	—	12	7	805	23 006	599	1 236	12 301	52 286	32 073	82 550	4 262
332618	Other fabricated wire product mfg	—	8	6	f	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	—	196	58	6 192	228 500	5 066	11 100	165 984	532 431	305 119	833 118	38 101
33271	Machine shops	—	141	26	1 900	69 105	1 492	3 143	47 591	123 538	49 696	173 334	10 633
332710	Machine shops	—	141	26	1 900	69 105	1 492	3 143	47 591	123 538	49 696	173 334	10 633
33272	Turned product & screw, nut, & bolt mfg	—	55	32	4 292	159 395	3 574	7 957	118 393	408 893	255 423	659 784	27 468
332721	Precision turned product mfg	—	25	15	779	23 724	629	1 363	17 571	82 032	26 892	109 292	6 250
332722	Bolt, nut, screw, rivet, & washer mfg	—	30	17	3 513	135 671	2 945	6 594	100 822	326 861	228 531	550 492	21 218
3328	Coating, engraving, heat treating, & allied activities .	1	42	15	832	25 731	663	1 471	17 023	53 698	18 472	72 334	7 071
33281	Coating, engraving, heat treating, & allied activities	1	42	15	832	25 731	663	1 471	17 023	53 698	18 472	72 334	7 071
332813	Electroplating, plating, polishing, anodizing, & coloring	—	26	8	471	15 698	366	855	9 340	29 164	9 783	39 169	5 640
3329	Other fabricated metal product mfg	—	23	10	718	23 322	587	1 180	16 641	51 880	58 848	111 253	3 186
33299	All other fabricated metal product mfg	—	19	7	543	16 953	476	955	13 722	33 506	37 066	71 040	3 005
333	Machinery mfg	1	203	91	13 606	528 336	8 951	18 725	303 522	1 173 119	919 798	2 064 682	65 335
3331	Agriculture, construction, & mining machinery mfg	—	10	5	1 150	41 998	720	1 457	22 286	82 395	78 419	167 368	3 130
33311	Agricultural implement mfg	—	5	2	f	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	—	4	1	f	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	—	4	3	530	17 267	353	487	9 541	55 843	28 266	84 221	1 739
333120	Construction machinery mfg	—	4	3	530	17 267	353	487	9 541	55 843	28 266	84 221	1 739
3332	Industrial machinery mfg . .	—	20	9	1 391	56 414	917	1 858	33 314	140 604	143 862	281 914	8 079
33329	Other industrial machinery mfg	—	17	7	g	D	D	D	D	D	D	D	D
333293	Printing machinery & equipment mfg	—	6	3	439	18 714	254	572	9 008	51 669	32 531	79 774	D
333294	Food product machinery mfg	—	5	2	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg . .	—	14	6	983	38 791	664	1 393	22 280	108 565	107 132	185 304	3 675
33331	Commercial & service industry machinery mfg	—	14	6	983	38 791	664	1 393	22 280	108 565	107 132	185 304	3 675
333319	Other commercial & service industry machinery mfg	—	11	5	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1	3	3	e	D	D	D	D	D	D	D	1 338
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1	3	3	e	D	D	D	D	D	D	D	1 338
333414	Heating equipment (except warm air furnaces) mfg	1	2	2	e	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg	3	108	40	5 532	221 652	3 484	7 850	129 253	460 983	311 630	762 359	27 921
33351	Metalworking machinery mfg	3	108	40	5 532	221 652	3 484	7 850	129 253	460 983	311 630	762 359	27 921
333512	Machine tool (metal cutting types) mfg	8	12	7	2 087	86 348	1 171	2 916	48 784	136 401	149 946	284 242	9 039
333513	Machine tool (metal forming types) mfg	3	5	5	456	17 086	253	528	8 482	41 835	28 822	66 605	2 541
333514	Special die & tool, die set, jig, & fixture mfg	1	40	12	827	34 323	657	1 387	22 836	72 710	35 733	107 230	4 184
333515	Cutting tool & machine tool accessory mfg	—	29	7	1 655	62 227	1 079	2 279	36 915	171 081	73 000	240 252	9 877
333518	Other metalworking machinery mfg	—	7	6	274	11 010	144	314	4 912	21 366	17 033	38 919	561

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31-33	ROCKFORD, IL MSA—Con.												
	Manufacturing—Con.												
333	Machinery mfg—Con.												
3336	Engine, turbine, & power transmission equipment mfg	-	10	10	g	D	D	D	D	D	D	D	10 221
33361	Engine, turbine, & power transmission equipment mfg	-	10	10	g	D	D	D	D	D	D	D	10 221
333612	Speed changer, industrial high-speed drive, & gear mfg	-	5	5	e	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment mfg	-	4	4	1 284	49 836	908	1 826	32 090	97 285	76 936	181 490	D
3339	Other general-purpose machinery mfg	-	38	18	2 479	87 941	1 736	3 381	48 682	202 026	148 776	352 865	10 971
33399	All other general-purpose machinery mfg	-	32	16	2 352	82 668	1 663	3 225	46 051	193 010	142 572	337 578	10 288
333995	Fluid power cylinder & actuator mfg	-	9	4	521	19 915	356	783	10 921	42 903	27 713	71 507	D
333996	Fluid power pump & motor mfg	-	4	3	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general-purpose machinery mfg	-	9	5	f	D	D	D	D	D	D	D	3 014
334	Computer & electronic product mfg	-	18	6	2 042	51 862	1 160	1 655	17 143	165 602	97 438	257 639	6 957
3344	Semiconductor & other electronic component mfg	-	9	3	g	D	D	D	D	D	D	D	4 190
33441	Semiconductor & other electronic component mfg	-	9	3	g	D	D	D	D	D	D	D	4 190
334411	Electron tube mfg	-	3	1	f	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, & other inductor mfg	-	2	2	e	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	5	2	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	5	2	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
335	Electrical equipment, appliance, & component mfg	-	16	7	1 202	45 650	728	1 645	23 624	109 338	94 232	205 229	4 655
3352	Household appliance mfg ..	-	1	1	e	D	D	D	D	D	D	D	D
33522	Major appliance mfg	-	1	1	e	D	D	D	D	D	D	D	D
335228	Other major household appliance mfg	-	1	1	e	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	12	5	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	-	12	5	f	D	D	D	D	D	D	D	D
335312	Motor & generator mfg	-	1	1	e	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	30	17	9 425	504 255	6 196	11 830	305 083	957 421	2 045 947	2 968 501	154 874
3361	Motor vehicle mfg	-	1	1	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	-	1	1	h	D	D	D	D	D	D	D	D
336111	Automobile mfg	-	1	1	h	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	22	12	1 768	66 679	1 329	2 800	38 860	138 528	166 455	305 963	D
33632	Motor vehicle electrical & electronic equipment mfg	2	7	2	e	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg	2	7	2	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
33637	Motor vehicle metal stamping	-	3	3	e	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	3	3	e	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg	1	8	5	f	D	D	D	D	D	D	D	1 987
336391	Motor vehicle air-conditioning mfg	-	2	2	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ROCKFORD, IL MSA—Con.												
	Manufacturing—Con.												
336	Transportation equipment mfg—Con.												
3364	Aerospace product & parts mfg	—	6	4	h	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	—	6	4	h	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	—	5	3	h	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	—	34	5	449	11 921	308	603	6 676	18 703	21 582	40 428	872
3371	Household & institutional furniture & kitchen cabinet mfg	—	25	4	360	9 916	239	488	5 515	16 174	18 209	34 476	675
339	Miscellaneous mfg	—	40	9	896	24 329	607	1 283	11 660	73 091	60 338	129 897	3 116
3399	Other miscellaneous mfg	—	30	7	661	18 555	448	918	8 542	54 817	45 958	99 113	2 667
33999	All other miscellaneous mfg	—	7	3	289	7 590	195	453	4 388	23 015	16 216	39 041	765
	ST. LOUIS, MO—IL MSA												
31-33	Manufacturing	—	3 320	1 132	170 766	6 590 408	115 500	235 281	3 823 497	21 018 794	28 104 319	51 488 137	1 429 995
	St. Louis, MO—IL MSA (IL Part)	—	495	146	27 487	1 023 352	20 910	43 836	700 665	3 525 644	6 147 590	9 646 771	265 987
	St. Louis, MO—IL MSA (MO Part)	—	2 825	986	143 279	5 567 056	94 590	191 445	3 122 832	17 493 150	21 956 729	41 841 366	1 164 008
311	Food mfg	1	210	73	9 139	256 713	5 999	12 083	146 624	1 149 597	1 458 904	2 613 825	45 645
3111	Animal food mfg	—	8	2	580	16 620	351	738	9 091	236 013	220 020	461 636	D
31111	Animal food mfg	—	8	2	580	16 620	351	738	9 091	236 013	220 020	461 636	D
311119	Other animal food mfg	—	8	2	580	16 620	351	738	9 091	236 013	220 020	461 636	D
3112	Grain & oilseed milling	1	9	7	e	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg	—	19	6	1 050	28 504	838	1 553	18 468	156 796	92 622	248 492	4 776
31134	Nonchocolate confectionery mfg	—	12	3	f	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery mfg	—	12	3	f	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	3	16	4	e	D	D	D	D	D	D	D	1 188
31141	Frozen food mfg	3	10	4	e	D	D	D	D	D	D	D	D
311412	Frozen specialty food mfg	3	10	4	e	D	D	D	D	D	D	D	D
3115	Dairy product mfg	—	16	8	917	31 857	658	1 419	19 344	92 524	289 960	386 258	7 062
31151	Dairy product (except frozen) mfg	—	11	7	f	D	D	D	D	D	D	D	D
311511	Fluid milk mfg	—	7	4	551	19 696	357	833	9 927	62 735	198 532	261 355	D
3116	Meat product mfg	1	35	8	f	D	D	D	D	D	D	D	3 659
31161	Animal slaughtering & processing	1	35	8	f	D	D	D	D	D	D	D	3 659
311612	Meat processed from carcasses	—	14	5	541	14 501	445	858	8 967	47 240	94 709	141 539	2 362
3118	Bakeries & tortilla mfg	1	83	24	3 915	99 088	2 185	4 512	52 537	286 672	248 052	535 698	10 744
31181	Bread & bakery product mfg	1	76	19	2 436	60 053	1 364	2 481	31 902	184 893	76 718	261 757	6 039
311811	Retail bakeries	5	50	8	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	—	24	9	1 700	49 427	952	1 811	25 782	167 190	58 229	225 489	D
31182	Cookie, cracker, & pasta mfg	1	7	5	1 479	39 035	821	2 031	20 635	101 779	171 334	273 941	4 705
311821	Cookie & cracker mfg	—	2	2	e	D	D	D	D	D	D	D	D
311822	Flour mixes & dough mfg from purchased flour	8	3	2	f	D	D	D	D	D	D	D	D
311823	Dry pasta mfg	—	2	1	e	D	D	D	D	D	D	D	D
3119	Other food mfg	1	24	14	1 190	37 493	771	1 580	18 527	219 516	171 005	386 867	8 504
31194	Seasoning & dressing mfg	—	6	3	e	D	D	D	D	D	D	D	D
31199	All other food mfg	—	7	5	378	10 446	287	543	5 737	85 053	47 447	132 112	D
311999	All other miscellaneous food mfg	—	5	3	e	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	—	22	10	3 531	185 365	2 574	5 294	126 325	1 217 069	808 218	2 022 998	171 981
3121	Beverage mfg	—	22	10	3 531	185 365	2 574	5 294	126 325	1 217 069	808 218	2 022 998	171 981
31211	Soft drink & ice mfg	1	13	7	g	D	D	D	D	D	D	D	D
312111	Soft drink mfg	1	7	6	g	D	D	D	D	D	D	D	D
31212	Breweries	—	3	2	g	D	D	D	D	D	D	D	D
312120	Breweries	—	3	2	g	D	D	D	D	D	D	D	D

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31-33	ST. LOUIS, MO-IL MSA—Con.												
	Manufacturing—Con.												
313	Textile mills	5	17	7	505	12 947	393	776	8 328	33 333	35 359	68 320	D
3133	Textile & fabric finishing & fabric coating mills	6	13	4	e	D	D	D	D	D	D	D	D
31331	Textile & fabric finishing mills	9	9	2	e	D	D	D	D	D	D	D	D
313311	Broadwoven fabric finishing mills	9	8	2	e	D	D	D	D	D	D	D	1 357
314	Textile product mills	2	76	16	1 466	29 819	1 076	1 980	16 684	55 038	58 636	115 799	D
3141	Textile furnishings mills	3	37	5	641	12 256	400	760	5 608	21 359	30 811	54 111	D
31412	Curtain & linen mills	3	36	5	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills	3	9	4	f	D	D	D	D	D	D	D	D
3149	Other textile product mills	1	39	11	825	17 563	676	1 220	11 076	33 679	27 825	61 688	D
31491	Textile bag & canvas mills	—	19	5	451	9 710	367	609	5 969	17 073	13 598	30 709	D
314912	Canvas & related product mills	—	16	4	e	D	D	D	D	D	D	D	D
31499	All other textile product mills	1	20	6	374	7 853	309	611	5 107	16 606	14 227	30 979	D
314999	All other miscellaneous textile product mills	1	20	6	374	7 853	309	611	5 107	16 606	14 227	30 979	D
315	Apparel mfg	3	63	16	g	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	4	29	5	f	D	D	D	D	D	D	D	D
31521	Cut & sew apparel contractors	9	16	1	e	D	D	D	D	D	D	D	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	9	15	1	e	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg	1	6	2	326	5 749	294	454	4 808	10 930	10 599	22 294	D
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	—	2	1	e	D	D	D	D	D	D	D	D
3159	Apparel accessories & other apparel mfg	2	33	11	f	D	D	D	D	D	D	D	D
31599	Apparel accessories & other apparel mfg	2	33	11	f	D	D	D	D	D	D	D	D
315991	Hat, cap, & millinery mfg	3	10	7	449	7 069	398	708	4 968	12 158	7 633	20 028	374
316	Leather & allied product mfg ..	1	21	10	f	D	D	D	D	D	D	D	D
3162	Footwear mfg	—	4	2	e	D	D	D	D	D	D	D	D
31621	Footwear mfg	—	4	2	e	D	D	D	D	D	D	D	D
316211	Rubber & plastics footwear mfg	—	1	1	e	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	3	14	6	e	D	D	D	D	D	D	D	D
31699	Other leather & allied product mfg	3	14	6	e	D	D	D	D	D	D	D	D
321	Wood product mfg	1	83	16	1 110	27 340	870	1 620	18 454	64 024	85 476	149 006	D
3212	Veneer, plywood, & engineered wood product mfg	1	14	6	448	12 864	338	677	7 830	35 177	39 689	74 790	D
32121	Veneer, plywood, & engineered wood product mfg	1	14	6	448	12 864	338	677	7 830	35 177	39 689	74 790	D
321214	Truss mfg	1	10	5	e	D	D	D	D	D	D	D	D
3219	Other wood product mfg	1	58	7	481	9 917	381	661	7 543	18 914	24 974	43 803	D
322	Paper mfg	—	76	53	4 966	164 444	3 906	8 584	110 941	453 574	639 380	1 093 683	24 513
3221	Pulp, paper, & paperboard mills	—	1	1	e	D	D	D	D	D	D	D	D
32213	Paperboard mills	—	1	1	e	D	D	D	D	D	D	D	D
322130	Paperboard mills	—	1	1	e	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	—	75	52	h	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	1	41	31	2 271	77 990	1 717	3 620	47 965	163 556	289 855	456 170	15 475
322211	Corrugated & solid fiber box mfg	1	26	24	1 639	55 297	1 200	2 435	31 254	114 291	224 704	338 574	D
322212	Folding paperboard box mfg	—	11	4	f	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	—	14	8	g	D	D	D	D	D	D	D	D
322221	Coated & laminated packaging paper & plastics film mfg	—	3	2	e	D	D	D	D	D	D	D	D
32223	Stationery product mfg ..	—	14	9	1 280	41 773	1 064	2 609	31 981	164 457	165 253	328 608	4 227
322231	Die-cut paper & paperboard office supplies mfg	—	5	3	f	D	D	D	D	D	D	D	D
322232	Envelope mfg	—	7	6	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ST. LOUIS, MO-IL MSA—Con.												
	Manufacturing—Con.												
323	Printing & related support activities.....	1	559	123	10 959	371 566	7 718	14 697	221 656	755 774	521 214	1 273 989	57 366
3231	Printing & related support activities.....	1	559	123	10 959	371 566	7 718	14 697	221 656	755 774	521 214	1 273 989	57 366
32311	Printing.....	1	486	97	9 291	310 094	6 446	12 209	182 519	634 461	493 724	1 125 040	50 580
323110	Commercial lithographic printing ..	2	229	55	4 885	184 269	3 306	6 255	105 984	333 804	250 036	582 217	24 456
323111	Commercial gravure printing.....	1	12	3	743	26 950	585	1 236	18 603	69 771	65 990	135 247	7 849
323112	Commercial flexographic printing ..	—	20	7	479	15 073	312	606	7 507	32 777	41 724	74 700	2 559
323113	Commercial screen printing.....	—	46	8	619	14 979	472	933	9 767	40 697	30 173	67 882	2 061
323114	Quick printing.....	2	100	6	616	14 168	457	715	8 853	34 749	18 801	53 480	5 328
323116	Manifold business form printing.....	1	14	7	616	21 722	341	764	11 563	45 909	33 560	80 729	4 154
323118	Blankbook, looseleaf binder, & device mfg .	—	7	3	824	18 713	637	1 069	12 358	50 046	31 146	81 612	D
323119	Other commercial printing.....	8	51	5	302	7 046	218	361	4 205	14 092	10 862	25 159	1 080
32312	Support activities for printing.....	2	73	26	1 668	61 472	1 272	2 488	39 137	121 313	27 490	148 949	6 786
323121	Tradebinding & related work.....	1	16	5	255	7 563	211	373	4 383	13 270	2 289	15 516	769
323122	Prepress services.....	2	57	21	1 413	53 909	1 061	2 115	34 754	108 043	25 201	133 433	6 017
324	Petroleum & coal products mfg.....	—	31	8	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg.....	—	31	8	g	D	D	D	D	D	D	D	D
32411	Petroleum refineries.....	—	4	3	g	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	—	4	3	g	D	D	D	D	D	D	D	D
32419	Other petroleum & coal products mfg.....	1	10	4	e	D	D	D	D	D	D	D	D
324191	Petroleum lubricating oil & grease mfg.....	1	10	4	e	D	D	D	D	D	D	D	D
325	Chemical mfg.....	1	212	95	12 530	511 735	7 278	14 956	263 162	3 154 044	2 051 132	5 207 282	183 116
3251	Basic chemical mfg.....	—	36	15	1 925	97 032	1 356	2 944	67 584	383 839	334 704	709 649	42 637
32513	Dye & pigment mfg.....	—	4	3	f	D	D	D	D	D	D	D	D
325131	Inorganic dye & pigment mfg.....	—	2	2	e	D	D	D	D	D	D	D	D
325132	Synthetic organic dye & pigment mfg.....	—	2	1	e	D	D	D	D	D	D	D	D
32518	Other basic inorganic chemical mfg.....	—	10	6	456	22 448	314	656	15 452	87 464	85 095	171 732	D
325188	All other basic inorganic chemical mfg.....	—	9	5	e	D	D	D	D	D	D	D	D
32519	Other basic organic chemical mfg.....	—	11	4	f	D	D	D	D	D	D	D	D
325192	Cyclic crude & intermediate mfg.....	—	1	1	e	D	D	D	D	D	D	D	D
3253	Pesticide, fertilizer, & other agricultural chemical mfg .	3	12	6	674	25 099	331	708	8 556	168 608	178 291	350 326	12 087
32532	Pesticide & other agricultural chemical mfg.....	3	8	4	513	17 291	233	482	4 871	146 331	143 471	293 490	8 061
325320	Pesticide & other agricultural chemical mfg.....	3	8	4	513	17 291	233	482	4 871	146 331	143 471	293 490	8 061
3254	Pharmaceutical & medicine mfg.....	—	35	17	4 581	182 056	2 218	4 550	78 235	932 949	369 436	1 316 859	69 354
32541	Pharmaceutical & medicine mfg.....	—	35	17	4 581	182 056	2 218	4 550	78 235	932 949	369 436	1 316 859	69 354
325411	Medicinal & botanical mfg.....	—	4	3	h	D	D	D	D	D	D	D	51 711
325412	Pharmaceutical preparation mfg.....	—	18	11	1 433	57 331	818	1 534	26 529	416 166	120 757	533 742	14 030
325414	Biological product (except diagnostic) mfg.....	8	9	3	e	D	D	D	D	D	D	D	3 502
3255	Paint, coating, & adhesive mfg.....	2	44	17	g	D	D	D	D	D	D	D	8 161
32551	Paint & coating mfg.....	2	38	15	1 111	45 931	535	953	14 264	238 137	212 222	448 804	7 678
325510	Paint & coating mfg....	2	38	15	1 111	45 931	535	953	14 264	238 137	212 222	448 804	7 678
3256	Soap, cleaning compound, & toilet preparation mfg ..	—	46	20	2 678	96 817	1 918	3 946	63 223	1 199 459	525 217	1 719 157	D
32561	Soap & cleaning compound mfg.....	—	37	15	2 224	82 188	1 652	3 374	55 876	1 161 820	456 152	1 613 397	32 616
325611	Soap & other detergent mfg.....	—	21	8	1 119	45 912	823	1 621	30 351	856 616	334 918	1 187 388	15 623
325612	Polish & other sanitation good mfg...	1	16	7	1 105	36 276	829	1 753	25 525	305 204	121 234	426 009	16 993
32562	Toilet preparation mfg....	2	9	5	454	14 629	266	572	7 347	37 639	69 065	105 760	D
325620	Toilet preparation mfg.	2	9	5	454	14 629	266	572	7 347	37 639	69 065	105 760	D

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31-33	ST. LOUIS, MO-IL MSA—Con.												
	Manufacturing—Con.												
325	Chemical mfg—Con.												
3259	Other chemical product mfg	-	35	17	1 296	54 190	757	1 480	25 254	195 762	369 433	564 919	12 562
32599	All other chemical product & preparation mfg	-	25	13	g	D	D	D	D	D	D	D	D
325992	Photographic film, paper, plate, & chemical mfg	-	3	3	e	D	D	D	D	D	D	D	D
325998	All other miscellaneous chemical product & preparation mfg	-	16	7	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	178	92	9 501	268 376	7 507	13 971	162 381	734 942	649 007	1 375 010	73 042
3261	Plastics product mfg	2	141	77	7 540	218 025	6 058	11 188	131 670	617 949	538 788	1 147 562	65 976
32611	Unsupported plastics film, sheet, & bag mfg	3	16	8	1 040	38 003	832	1 895	23 773	90 587	92 636	184 899	9 307
326111	Unsupported plastics bag mfg	5	4	3	e	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg	-	10	4	e	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	4	9	6	320	12 462	243	506	7 482	29 671	24 851	54 516	2 922
326121	Unsupported plastics profile shape mfg	4	8	5	e	D	D	D	D	D	D	D	D
32616	Plastics bottle mfg	-	9	8	645	18 375	579	1 100	14 958	54 957	44 541	99 698	9 304
326160	Plastics bottle mfg	-	9	8	645	18 375	579	1 100	14 958	54 957	44 541	99 698	9 304
32619	Other plastics product mfg	-	89	46	4 989	129 964	4 001	6 897	72 764	374 501	279 255	643 022	39 195
326199	All other plastics product mfg	-	78	44	4 877	126 863	3 914	6 698	70 572	368 791	275 332	633 371	39 021
3262	Rubber product mfg	-	37	15	1 961	50 351	1 449	2 783	30 711	116 993	110 219	227 448	7 066
32621	Tire mfg	-	11	6	608	15 046	445	845	9 233	28 576	35 971	64 860	1 147
326211	Tire mfg (except retreading)	-	1	1	e	D	D	D	D	D	D	D	D
32629	Other rubber product mfg	-	22	9	1 323	34 260	981	1 901	21 030	86 039	70 857	156 817	5 748
326291	Rubber product mfg for mechanical use	-	6	2	419	10 899	347	635	8 270	29 987	20 916	50 788	D
326299	All other rubber product mfg	-	16	7	904	23 361	634	1 266	12 760	56 052	49 941	106 029	D
327	Nonmetallic mineral product mfg	1	143	54	3 428	114 683	2 541	5 063	76 710	334 303	314 695	649 867	55 899
3272	Glass & glass product mfg	-	16	4	519	18 228	408	814	13 675	73 895	37 790	110 623	D
32721	Glass & glass product mfg	-	16	4	519	18 228	408	814	13 675	73 895	37 790	110 623	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	e	D	D	D	D	D	D	D	D
3273	Cement & concrete product mfg	1	94	38	2 145	71 968	1 611	3 224	49 291	197 595	216 565	415 554	22 927
32732	Ready-mix concrete mfg	1	57	29	1 406	45 494	1 105	2 171	32 554	100 744	132 961	234 390	14 545
327320	Ready-mix concrete mfg	1	57	29	1 406	45 494	1 105	2 171	32 554	100 744	132 961	234 390	14 545
32739	Other concrete product mfg	2	26	4	329	8 928	229	446	6 425	19 381	16 171	35 581	3 768
327390	Other concrete product mfg	2	26	4	329	8 928	229	446	6 425	19 381	16 171	35 581	3 768
3279	Other nonmetallic mineral product mfg	2	20	6	489	15 660	350	707	9 643	47 582	46 684	94 656	D
32799	All other nonmetallic mineral product mfg	3	19	5	e	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	54	36	12 466	497 822	10 078	21 212	370 373	1 402 763	2 103 348	3 492 037	74 361
3311	Iron & steel mills & ferroalloy mfg	-	2	2	h	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	-	2	2	h	D	D	D	D	D	D	D	D
331111	Iron & steel mills	-	2	2	h	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	-	5	4	e	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing	-	2	2	f	D	D	D	D	D	D	D	D
33131	Alumina & aluminum production & processing	-	2	2	f	D	D	D	D	D	D	D	D
331315	Aluminum sheet, plate, & foil mfg	-	1	1	e	D	D	D	D	D	D	D	D
331316	Aluminum extruded product mfg	-	1	1	e	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ST. LOUIS, MO-IL MSA—Con.												
31-33	Manufacturing—Con.												
331	Primary metal mfg—Con.												
3314	Nonferrous metal (except aluminum) production & processing.....	-	11	7	4 124	173 508	3 174	7 162	119 742	494 202	962 640	1 454 640	29 909
33141	Nonferrous metal (except aluminum) smelting & refining.....	-	4	3	f	D	D	D	D	D	D	D	D
331419	Other nonferrous metal primary smelting & refining.....	-	4	3	f	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, & alloying ...	-	3	3	3 014	132 116	2 370	5 549	93 388	388 235	716 109	1 104 168	15 818
331421	Copper rolling, drawing, & extruding .	-	2	2	h	D	D	D	D	D	D	D	D
3315	Foundries	-	34	21	3 340	102 992	2 831	5 648	78 970	245 781	139 662	378 493	16 231
33151	Ferrous metal foundries .	-	15	9	1 568	49 452	1 338	2 732	39 559	106 224	60 782	165 193	6 828
331511	Iron foundries	2	8	5	e	D	D	D	D	D	D	D	D
331513	Steel foundries (except investment).....	-	6	3	1 137	36 932	971	1 930	29 935	84 575	47 985	130 855	4 428
33152	Nonferrous metal foundries	-	19	12	1 772	53 540	1 493	2 916	39 411	139 557	78 880	213 300	9 403
331521	Aluminum die-casting foundries	1	5	5	617	17 209	512	984	12 642	30 984	28 482	59 165	D
331524	Aluminum foundries (except die-casting) ..	-	7	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	555	176	17 489	585 146	13 168	26 531	375 387	1 364 809	1 085 963	2 458 277	77 909
3321	Forging & stamping	-	36	13	1 021	36 323	759	1 610	23 612	73 551	55 604	129 532	6 296
33211	Forging & stamping	-	36	13	1 021	36 323	759	1 610	23 612	73 551	55 604	129 532	6 296
332116	Metal stamping.....	-	28	12	921	32 748	675	1 434	21 107	67 234	50 763	118 458	5 830
3322	Cutlery & handtool mfg ...	-	21	10	1 091	35 620	791	1 631	22 095	64 128	34 877	105 390	4 918
33221	Cutlery & handtool mfg ..	-	21	10	1 091	35 620	791	1 631	22 095	64 128	34 877	105 390	4 918
332212	Hand & edge tool mfg .	1	18	7	f	D	D	D	D	D	D	D	D
332213	Saw blade & handsaw mfg	-	3	3	e	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	-	103	38	4 149	132 635	2 959	5 985	75 708	402 710	301 602	704 628	9 412
33231	Plate work & fabricated structural product mfg ..	-	44	23	2 897	92 483	2 116	4 318	53 368	317 895	231 981	550 914	6 995
332311	Prefabricated metal building & component mfg	-	6	5	394	11 510	266	526	6 050	78 987	30 702	113 916	467
332312	Fabricated structural metal mfg	-	29	12	2 211	70 703	1 624	3 294	40 850	221 173	189 494	407 609	5 028
332313	Plate work mfg	1	9	6	292	10 270	226	498	6 468	17 735	11 785	29 389	1 500
33232	Ornamental & architectural metal products mfg.....	1	59	15	1 252	40 152	843	1 667	22 340	84 815	69 621	153 714	2 417
332321	Metal window & door mfg	-	12	4	348	10 444	231	458	5 859	24 081	21 497	45 496	470
332322	Sheet metal work mfg .	1	31	10	739	24 624	507	1 017	13 755	48 996	37 641	86 363	1 684
3324	Boiler, tank, & shipping container mfg	-	21	9	1 393	58 369	990	2 059	37 981	107 745	180 851	296 527	8 346
33241	Power boiler & heat exchanger mfg	-	6	2	f	D	D	D	D	D	D	D	D
332410	Power boiler & heat exchanger mfg	-	6	2	f	D	D	D	D	D	D	D	D
33243	Metal can, box, & other metal container (light gauge) mfg	-	11	5	549	23 235	420	886	17 107	43 787	131 358	179 636	D
332431	Metal can mfg.....	-	3	3	e	D	D	D	D	D	D	D	D
3326	Spring & wire product mfg .	1	21	7	383	9 834	298	554	6 588	20 824	23 791	44 469	843
33261	Spring & wire product mfg	1	21	7	383	9 834	298	554	6 588	20 824	23 791	44 469	843
332618	Other fabricated wire product mfg.....	1	16	6	314	7 854	248	466	5 328	16 186	20 460	36 613	561
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	212	50	3 233	108 040	2 588	5 107	76 400	214 537	126 687	339 452	15 198
33271	Machine shops	1	162	28	1 753	61 311	1 366	2 625	43 256	114 760	52 372	167 187	7 823
332710	Machine shops	1	162	28	1 753	61 311	1 366	2 625	43 256	114 760	52 372	167 187	7 823
33272	Turned product & screw, nut, & bolt mfg	-	50	22	1 480	46 729	1 222	2 482	33 144	99 777	74 315	172 265	7 375
332721	Precision turned product mfg.....	1	38	13	1 128	33 910	945	1 919	24 849	75 150	59 351	133 248	D
332722	Bolt, nut, screw, rivet, & washer mfg	-	12	9	352	12 819	277	563	8 295	24 627	14 964	39 017	D

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	ST. LOUIS, MO-IL MSA —Con.												
31-33	Manufacturing— Con.												
332	Fabricated metal product mfg—Con.												
3328	Coating, engraving, heat treating, & allied activities	1	74	23	1 486	50 361	1 115	2 257	31 583	123 631	57 877	179 898	7 441
33281	Coating, engraving, heat treating, & allied activities	1	74	23	1 486	50 361	1 115	2 257	31 583	123 631	57 877	179 898	7 441
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1	22	7	578	24 184	415	806	14 216	64 583	42 229	105 060	4 437
332813	Electroplating, plating, polishing, anodizing, & coloring	2	45	11	672	17 509	511	996	10 647	32 493	11 566	44 292	1 897
3329	Other fabricated metal product mfg	—	58	22	4 553	149 093	3 523	7 082	98 273	348 489	297 991	642 489	25 022
33291	Metal valve mfg	—	15	10	2 093	61 200	1 625	2 936	36 612	163 878	133 121	300 117	11 335
332911	Industrial valve mfg	—	8	5	g	D	D	D	D	D	D	D	D
332919	Other metal valve & pipe fitting mfg	—	4	3	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	—	43	12	2 460	87 893	1 898	4 146	61 661	184 611	164 870	342 372	13 687
332992	Small arms ammunition mfg	—	1	1	g	D	D	D	D	D	D	D	D
332996	Fabricated pipe & pipe fitting mfg	—	12	2	e	D	D	D	D	D	D	D	1 359
332999	All other miscellaneous fabricated metal product mfg	—	16	6	430	12 267	326	731	8 245	27 160	45 886	72 743	D
333	Machinery mfg	—	272	110	16 166	571 290	11 000	22 220	327 257	1 585 910	1 188 013	2 767 815	77 021
3331	Agriculture, construction, & mining machinery mfg	2	17	8	f	D	D	D	D	D	D	D	1 744
33313	Mining & oil & gas field machinery mfg	2	7	6	413	16 118	251	544	8 098	37 994	33 869	70 561	D
333131	Mining machinery & equipment mfg	3	6	5	e	D	D	D	D	D	D	D	D
3332	Industrial machinery mfg	—	35	15	g	D	D	D	D	D	D	D	6 790
33329	Other industrial machinery mfg	—	31	14	1 761	71 545	1 201	2 444	43 688	292 112	192 417	482 648	D
333293	Printing machinery & equipment mfg	—	7	5	637	25 046	362	799	12 416	58 531	38 233	94 319	1 682
333298	All other industrial machinery mfg	—	17	7	952	39 093	719	1 395	26 819	218 820	145 734	365 116	D
3333	Commercial & service industry machinery mfg	—	29	11	1 898	61 826	1 062	2 080	25 745	250 342	185 528	435 691	9 029
33331	Commercial & service industry machinery mfg	—	29	11	1 898	61 826	1 062	2 080	25 745	250 342	185 528	435 691	9 029
333311	Automatic vending machine mfg	—	3	2	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	1	19	8	f	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	17	11	4 639	135 868	3 490	6 821	93 351	379 610	374 285	760 516	19 511
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	17	11	4 639	135 868	3 490	6 821	93 351	379 610	374 285	760 516	19 511
333414	Heating equipment (except warm air furnaces) mfg	—	5	2	e	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/industrial refig equip mfg	—	9	8	h	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg	—	102	30	2 807	116 160	2 028	4 289	78 292	247 955	146 285	381 287	20 907
33351	Metalworking machinery mfg	—	102	30	2 807	116 160	2 028	4 289	78 292	247 955	146 285	381 287	20 907
333511	Industrial mold mfg	—	25	9	695	31 967	530	1 148	24 053	65 386	19 261	84 546	3 233
333514	Special die & tool, die set, jig, & fixture mfg	—	48	11	874	31 363	692	1 368	21 845	60 739	48 251	109 839	D
333515	Cutting tool & machine tool accessory mfg	—	20	4	920	38 200	598	1 301	23 088	74 104	27 306	98 288	D
3336	Engine, turbine, & power transmission equipment mfg	1	13	6	612	18 793	473	1 067	12 972	54 194	45 696	100 501	3 215
33361	Engine, turbine, & power transmission equipment mfg	1	13	6	612	18 793	473	1 067	12 972	54 194	45 696	100 501	3 215
333612	Speed changer, industrial high-speed drive, & gear mfg	1	6	4	f	D	D	D	D	D	D	D	D

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31-33	ST. LOUIS, MO-IL MSA—Con.												
	Manufacturing—Con.												
333	Machinery mfg—Con.												
3339	Other general-purpose machinery mfg	-	59	29	3 766	142 983	2 292	4 577	60 635	307 418	196 471	507 488	15 825
33391	Pump & compressor mfg	-	7	4	e	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	1	13	6	e	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg	-	39	19	3 076	120 720	1 843	3 783	49 121	250 452	150 785	404 321	13 691
333993	Packaging machinery mfg	-	8	5	g	D	D	D	D	D	D	D	D
333994	Industrial process furnace & oven mfg ..	1	7	5	920	26 803	657	1 350	13 236	55 964	19 093	75 328	1 681
333999	All other miscellaneous general-purpose machinery mfg	-	17	7	952	42 203	617	1 247	19 554	66 761	36 253	105 300	6 782
334	Computer & electronic product mfg	-	102	39	6 641	245 384	3 987	7 519	104 645	1 352 382	348 051	1 711 632	79 514
3341	Computer & peripheral equipment mfg	2	16	5	255	8 386	91	199	3 214	22 223	39 502	61 967	1 262
33411	Computer & peripheral equipment mfg	2	16	5	255	8 386	91	199	3 214	22 223	39 502	61 967	1 262
3343	Audio & video equipment mfg	-	3	2	e	D	D	D	D	D	D	D	D
33431	Audio & video equipment mfg	-	3	2	e	D	D	D	D	D	D	D	D
334310	Audio & video equipment mfg	-	3	2	e	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	-	29	15	2 870	91 266	2 313	4 356	61 988	1 008 481	149 883	1 152 787	D
33441	Semiconductor & other electronic component mfg	-	29	15	2 870	91 266	2 313	4 356	61 988	1 008 481	149 883	1 152 787	D
334412	Bare printed circuit board mfg	1	5	3	e	D	D	D	D	D	D	D	D
334413	Semiconductor & related device mfg ...	-	7	1	g	D	D	D	D	D	D	D	D
334418	Printed circuit assembly (electronic assembly) mfg	1	6	6	e	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	-	8	4	e	D	D	D	D	D	D	D	1 565
3345	Navigational, measuring, medical, & control instruments mfg	-	33	13	2 923	130 253	1 230	2 351	33 799	295 693	126 525	438 849	10 686
33451	Navigational, measuring, medical, & control instruments mfg	-	33	13	2 923	130 253	1 230	2 351	33 799	295 693	126 525	438 849	10 686
334510	Electromedical & electrotherapeutic apparatus mfg	-	5	3	f	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	3	2	f	D	D	D	D	D	D	D	D
334512	Automatic environmental control mfg	-	4	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	66	37	5 101	168 404	3 754	7 104	97 533	408 635	296 764	706 920	43 359
3351	Electric lighting equipment mfg	-	10	7	647	26 287	553	1 348	22 505	127 246	45 413	172 805	D
33511	Electric lamp bulb & part mfg	-	1	1	e	D	D	D	D	D	D	D	D
335110	Electric lamp bulb & part mfg	-	1	1	e	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg	-	9	6	e	D	D	D	D	D	D	D	453
3352	Household appliance mfg ..	-	5	2	e	D	D	D	D	D	D	D	D
33522	Major appliance mfg	-	3	2	e	D	D	D	D	D	D	D	D
335221	Household cooking appliance mfg	-	3	2	e	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	1	32	20	2 903	91 700	2 020	3 416	44 298	159 476	159 077	320 222	14 883
33531	Electrical equipment mfg	1	32	20	2 903	91 700	2 020	3 416	44 298	159 476	159 077	320 222	14 883
335311	Power, distribution, & specialty transformer mfg	-	5	4	e	D	D	D	D	D	D	D	D
335312	Motor & generator mfg	4	6	4	g	D	D	D	D	D	D	D	6 510
335313	Switchgear & switchboard apparatus mfg	-	8	4	413	15 024	322	631	10 035	31 344	36 869	68 351	D
335314	Relay & industrial control mfg	1	13	8	960	30 402	520	677	7 087	51 781	29 401	83 305	D

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
31-33	ST. LOUIS, MO-IL MSA—Con.													
	Manufacturing—Con.													
335	Electrical equipment, appliance, & component mfg—Con.													
3359	Other electrical equipment & component mfg	—	19	8	g	D	D	D	D	D	D	D	24 778	
33593	Wiring device mfg	—	9	6	f	D	D	D	D	D	D	D	D	
335931	Current-carrying wiring device mfg	—	5	3	e	D	D	D	D	D	D	D	D	
335932	Noncurrent-carrying wiring device mfg	—	4	3	f	D	D	D	D	D	D	D	D	
336	Transportation equipment mfg	—	105	50		40 751	2 114 650	23 361	50 328	1 141 660	5 256 567	13 063 607	20 693 642	296 945
3361	Motor vehicle mfg	—	9	4		13 337	831 171	12 458	26 655	750 427	4 485 529	9 484 211	13 939 590	D
33611	Automobile & light duty motor vehicle mfg	—	9	4		13 337	831 171	12 458	26 655	750 427	4 485 529	9 484 211	13 939 590	D
336112	Light truck & utility vehicle mfg	—	6	4	j	D	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg	1	18	5		394	11 861	305	651	7 917	16 963	31 343	47 941	D
33621	Motor vehicle body & trailer mfg	1	18	5		394	11 861	305	651	7 917	16 963	31 343	47 941	D
3363	Motor vehicle parts mfg . . .	—	49	24	h	D	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg	1	11	1		316	11 473	280	572	9 676	18 831	18 634	36 918	598
336311	Carburetor, piston, piston ring, & valve mfg	—	2	1	e	D	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg	—	7	3	e	D	D	D	D	D	D	D	D	2 488
336321	Vehicular lighting equipment mfg	—	2	1	e	D	D	D	D	D	D	D	D	D
33634	Motor vehicle brake system mfg	—	2	2	e	D	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system mfg	—	2	2	e	D	D	D	D	D	D	D	D	D
33636	Motor vehicle seating & interior trim mfg	—	4	4	g	D	D	D	D	D	D	D	D	D
336360	Motor vehicle seating & interior trim mfg	—	4	4	g	D	D	D	D	D	D	D	D	D
33637	Motor vehicle metal stamping	—	5	5	f	D	D	D	D	D	D	D	D	2 598
336370	Motor vehicle metal stamping	—	5	5	f	D	D	D	D	D	D	D	D	2 598
33639	Other motor vehicle parts mfg	1	12	7		1 413	38 597	1 185	2 683	30 328	88 517	115 878	205 577	D
336399	Other motor vehicle parts mfg	1	12	7		1 413	38 597	1 185	2 683	30 328	88 517	115 878	205 577	D
3364	Aerospace product & parts mfg	—	17	12	j	D	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	—	17	12	j	D	D	D	D	D	D	D	D	D
336411	Aircraft mfg	—	3	2	j	D	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	—	13	9	g	D	D	D	D	D	D	D	D	D
3366	Ship & boat building	—	6	1		272	8 332	230	497	6 312	14 832	9 799	24 709	D
33661	Ship & boat building	—	6	1		272	8 332	230	497	6 312	14 832	9 799	24 709	D
336611	Ship building & repairing	—	4	1	e	D	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	145	40		3 867	108 992	3 011	6 114	69 006	237 251	203 514	453 149	8 519
3371	Household & institutional furniture & kitchen cabinet mfg	3	93	19		2 103	58 328	1 623	3 353	38 151	145 744	107 824	254 573	5 498
33711	Wood kitchen cabinet & counter top mfg	1	64	5		522	14 912	406	767	10 924	28 427	19 993	48 428	1 860
337110	Wood kitchen cabinet & counter top mfg	1	64	5		522	14 912	406	767	10 924	28 427	19 993	48 428	1 860
33712	Household & institutional furniture mfg	3	29	14		1 581	43 416	1 217	2 586	27 227	117 317	87 831	206 145	3 638
337122	Nonupholstered wood household furniture mfg	9	9	1	e	D	D	D	D	D	D	D	D	D
337127	Institutional furniture mfg	—	15	12	g	D	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg	—	43	19		1 579	44 727	1 268	2 523	28 166	73 617	80 495	165 329	2 622
33721	Office furniture (including fixtures) mfg	—	43	19		1 579	44 727	1 268	2 523	28 166	73 617	80 495	165 329	2 622
337215	Showcase, partition, shelving, & locker mfg	—	25	10		1 089	28 654	888	1 846	17 274	56 656	59 791	117 705	2 088

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ST. LOUIS, MO-IL MSA—Con.												
31-33	Manufacturing—Con.												
339	Miscellaneous mfg	1	330	71	6 681	196 396	3 971	7 619	88 526	490 449	304 260	791 516	23 523
3391	Medical equipment & supplies mfg	1	172	28	3 404	114 133	1 986	4 113	49 659	321 528	163 679	485 015	14 454
33911	Medical equipment & supplies mfg	1	172	28	3 404	114 133	1 986	4 113	49 659	321 528	163 679	485 015	14 454
339112	Surgical & medical instrument mfg	—	24	12	2 017	76 120	994	2 313	27 342	214 734	118 925	333 488	10 039
339113	Surgical appliance & supplies mfg	1	14	4	517	16 206	378	824	9 760	45 103	23 048	68 874	2 302
339116	Dental laboratories . . .	6	114	7	588	13 293	442	617	8 610	28 470	11 041	40 238	879
3399	Other miscellaneous mfg . .	1	158	43	3 277	82 263	1 985	3 506	38 867	168 921	140 581	306 501	9 069
33992	Sporting & athletic goods mfg	—	16	7	457	10 844	333	511	6 183	45 023	23 749	66 786	1 682
339920	Sporting & athletic goods mfg	—	16	7	457	10 844	333	511	6 183	45 023	23 749	66 786	1 682
33994	Office supplies (except paper) mfg	—	14	3	467	12 415	96	198	2 193	16 937	43 839	61 135	D
339943	Marking device mfg	—	11	2	424	11 749	78	161	1 877	15 520	42 648	58 531	784
33995	Sign mfg	2	72	15	1 449	38 816	896	1 629	19 230	63 374	39 893	102 800	3 411
339950	Sign mfg	2	72	15	1 449	38 816	896	1 629	19 230	63 374	39 893	102 800	3 411
33999	All other miscellaneous mfg	2	37	15	f	D	D	D	D	D	D	D	2 498
339999	All other miscellaneous mfg	2	22	8	431	7 867	332	547	4 855	18 365	10 977	28 533	2 012
	SPRINGFIELD, IL MSA												
31-33	Manufacturing	—	142	41	3 986	116 913	2 738	5 424	66 884	317 055	431 219	743 347	22 201
323	Printing & related support activities	2	25	5	315	9 476	230	365	6 147	16 302	14 776	31 107	1 613
3231	Printing & related support activities	2	25	5	315	9 476	230	365	6 147	16 302	14 776	31 107	1 613
32311	Printing	2	23	5	e	D	D	D	D	D	D	D	D
325	Chemical mfg	—	6	3	378	14 265	272	591	9 083	51 621	135 558	185 315	3 444
333	Machinery mfg	—	13	4	1 557	44 692	1 065	2 238	22 625	124 132	106 451	227 539	8 641
3331	Agriculture, construction, & mining machinery mfg	—	3	1	e	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg	—	3	1	e	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	—	3	1	e	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg . .	—	2	1	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	—	2	1	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	—	2	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	—	9	5	592	15 270	362	620	6 253	40 140	21 133	61 443	2 288
3345	Navigational, measuring, medical, & control instruments mfg	—	4	2	e	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	—	4	2	e	D	D	D	D	D	D	D	D

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

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

Table 3. Industry Statistics for Counties: 1997

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ADAMS COUNTY, IL													
31-33	Manufacturing	-	85	30	5 707	190 371	3 647	7 640	93 568	634 180	1 224 340	1 868 341	65 299
332	Fabricated metal product mfg	-	20	7	513	17 577	393	748	10 462	46 783	15 329	61 868	D
333	Machinery mfg	-	12	8	2 083	67 803	1 427	3 276	38 628	169 980	136 765	323 589	D
3331	Agriculture, construction, & mining machinery mfg,	-	2	2	g	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg	-	2	2	g	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	-	2	2	g	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	-	4	4	897	36 025	434	1 040	14 708	78 275	56 701	154 244	D
33391	Pump & compressor mfg	-	2	2	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	9	4	g	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	5	3	g	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	4	3	g	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	4	3	g	D	D	D	D	D	D	D	D
BOND COUNTY, IL													
31-33	Manufacturing	-	16	5	695	19 159	517	1 033	13 131	79 013	91 615	166 041	2 643
BOONE COUNTY, IL													
31-33	Manufacturing	-	63	23	5 846	283 866	5 175	9 386	240 327	500 420	1 795 560	2 300 022	116 390
311	Food mfg	3	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	22	7	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	1	1	h	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg	-	1	1	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	-	1	1	h	D	D	D	D	D	D	D	D
336111	Automobile mfg	-	1	1	h	D	D	D	D	D	D	D	D
BUREAU COUNTY, IL													
31-33	Manufacturing	1	41	22	2 499	71 995	1 818	3 266	43 131	239 913	169 035	413 680	15 159
332	Fabricated metal product mfg	-	6	5	560	17 479	425	798	11 364	70 610	38 106	109 367	3 026
CARROLL COUNTY, IL													
31-33	Manufacturing	-	33	12	1 015	27 021	802	1 480	18 274	134 573	100 095	235 172	6 284
333	Machinery mfg	-	10	6	610	15 912	465	893	9 992	65 450	58 316	124 227	2 104
CASS COUNTY, IL													
31-33	Manufacturing	-	13	6	g	D	D	D	D	D	D	D	5 375
311	Food mfg	-	3	2	g	D	D	D	D	D	D	D	D
3116	Meat product mfg	-	2	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	-	2	2	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	-	2	2	g	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
CHAMPAIGN COUNTY, IL													
31-33	Manufacturing	-	152	55	10 857	292 444	8 396	15 858	204 808	1 165 868	1 488 725	2 689 516	74 130
311	Food mfg	-	7	2	g	D	D	D	D	D	D	D	D
3119	Other food mfg	-	1	1	g	D	D	D	D	D	D	D	D
31194	Seasoning & dressing mfg	-	1	1	g	D	D	D	D	D	D	D	D
311941	Mayonnaise, dressing, & other prepared sauce mfg	-	1	1	g	D	D	D	D	D	D	D	D
321	Wood product mfg	-	4	3	g	D	D	D	D	D	D	D	1 467
3219	Other wood product mfg ...	-	3	2	g	D	D	D	D	D	D	D	D
32191	Millwork	-	3	2	g	D	D	D	D	D	D	D	D
321911	Wood window & door mfg	-	3	2	g	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	2	30	8	736	18 349	455	745	10 491	52 040	25 916	77 974	1 681
3231	Printing & related support activities.....	2	30	8	736	18 349	455	745	10 491	52 040	25 916	77 974	1 681
32311	Printing	1	25	6	578	14 269	332	583	7 933	45 004	24 592	69 617	1 334
326	Plastics & rubber products mfg	-	10	7	2 188	52 134	1 885	3 543	39 712	168 562	235 711	402 648	16 528
3261	Plastics product mfg	-	10	7	2 188	52 134	1 885	3 543	39 712	168 562	235 711	402 648	16 528
32619	Other plastics product mfg	-	8	5	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	6	5	g	D	D	D	D	D	D	D	D
333	Machinery mfg	1	15	5	547	15 680	362	678	9 481	49 700	52 700	98 373	3 440
334	Computer & electronic product mfg.....	1	12	4	602	16 549	501	1 057	9 978	33 571	27 875	61 915	2 607
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
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
339	Miscellaneous mfg	9	19	3	956	20 709	810	1 206	12 019	96 048	53 090	188 919	3 768
3399	Other miscellaneous mfg ...	9	11	3	898	18 832	774	1 134	11 133	92 018	50 749	182 594	3 524
33992	Sporting & athletic goods mfg	9	4	2	f	D	D	D	D	D	D	D	D
339920	Sporting & athletic goods mfg	9	4	2	f	D	D	D	D	D	D	D	D
CHRISTIAN COUNTY, IL													
31-33	Manufacturing	-	30	8	1 388	53 161	847	1 662	24 019	142 876	354 901	479 303	25 998
333	Machinery mfg	-	4	1	f	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg....	-	2	1	f	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg	-	2	1	f	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	-	2	1	f	D	D	D	D	D	D	D	D
CLARK COUNTY, IL													
31-33	Manufacturing	-	24	10	1 682	44 637	1 314	2 752	26 863	188 885	247 221	435 535	12 872
336	Transportation equipment mfg	-	1	1	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
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
CLAY COUNTY, IL													
31-33	Manufacturing	-	23	10	2 453	62 790	1 932	4 006	42 531	220 423	265 020	480 089	19 783
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	-	2	2	g	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D

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

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NAICS code	Geographic area and industry	All establishments			All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
CLINTON COUNTY, IL													
31-33	Manufacturing	1	39	12	963	22 447	709	1 342	14 958	108 108	63 368	175 929	1 939
COLES COUNTY, IL													
31-33	Manufacturing	-	57	21	5 754	182 876	4 844	9 810	142 355	766 531	681 507	1 455 613	34 968
311	Food mfg	-	5	2	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	-	11	2	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities	-	11	2	g	D	D	D	D	D	D	D	D
32311	Printing	-	10	2	g	D	D	D	D	D	D	D	D
323111	Commercial gravure printing	-	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	3	2	f	D	D	D	D	D	D	D	D
3351	Electric lighting equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33511	Electric lamp bulb & part mfg	-	1	1	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb & part mfg	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg	-	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg	-	1	1	f	D	D	D	D	D	D	D	D
336212	Truck trailer mfg	-	1	1	f	D	D	D	D	D	D	D	D
COOK COUNTY, IL													
31-33	Manufacturing	1	7 966	2 947	362 364	13 031 961	250 025	516 596	7 309 292	38 114 862	36 606 788	74 563 276	2 681 048
311	Food mfg	2	695	247	45 294	1 411 047	32 087	67 099	884 506	6 358 186	5 824 977	12 155 314	360 714
3112	Grain & oilseed milling	7	15	9	1 453	56 038	1 008	2 244	36 842	397 860	738 953	1 117 629	D
31121	Flour milling & malt mfg .	-	5	4	f	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg	8	9	4	f	D	D	D	D	D	D	D	D
311221	Wet corn milling	9	2	2	f	D	D	D	D	D	D	D	D
3113	Sugar & confectionery product mfg	-	54	25	i	D	D	D	D	D	D	D	77 390
31133	Confectionery mfg from purchased chocolate ...	-	28	11	4 312	148 972	3 458	8 319	109 439	856 821	475 261	1 332 133	D
311330	Confectionery mfg from purchased chocolate	-	28	11	4 312	148 972	3 458	8 319	109 439	856 821	475 261	1 332 133	D
31134	Nonchocolate confectionery mfg	-	21	13	h	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery mfg ...	-	21	13	h	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	1	46	21	4 516	114 868	3 464	7 801	77 657	385 415	458 687	842 177	21 084
31141	Frozen food mfg	2	24	9	h	D	D	D	D	D	D	D	D
311412	Frozen specialty food mfg	2	21	8	2 495	56 794	2 075	4 896	36 586	158 549	166 743	323 802	10 888
31142	Fruit & vegetable canning, pickling, & drying	1	22	12	g	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	1	15	9	923	31 776	694	1 441	19 408	90 388	137 560	228 215	D
311423	Dried & dehydrated food mfg	-	3	2	f	D	D	D	D	D	D	D	D
3115	Dairy product mfg	1	22	6	634	27 807	418	941	17 082	89 189	159 362	248 069	D
3116	Meat product mfg	2	99	59	7 748	221 443	6 006	12 009	138 258	638 791	1 273 172	1 913 407	34 829
31161	Animal slaughtering & processing	2	99	59	7 748	221 443	6 006	12 009	138 258	638 791	1 273 172	1 913 407	34 829
311611	Animal (except poultry) slaughtering	3	26	14	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	1	65	39	4 931	145 785	3 804	7 754	92 167	452 893	817 094	1 273 906	24 290
311615	Poultry processing	9	7	6	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	1	349	76	16 413	491 641	10 286	20 011	289 703	2 024 051	1 199 187	3 211 076	102 155
31181	Bread & bakery product mfg	3	307	57	11 063	290 351	5 869	10 345	141 838	867 855	455 738	1 325 013	37 715
311811	Retail bakeries	3	218	20	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries .	3	84	35	8 834	256 471	4 503	8 388	124 024	797 010	412 531	1 210 817	28 444
31182	Cookie, cracker, & pasta mfg	-	33	14	4 800	189 027	3 967	8 933	139 093	1 118 711	718 003	1 823 275	63 279
311821	Cookie & cracker mfg .	-	15	11	4 220	163 274	3 568	7 990	124 155	1 046 514	604 570	1 636 945	D
31183	Tortilla mfg	2	9	5	550	12 263	450	733	8 772	37 485	25 446	62 788	1 161
311830	Tortilla mfg	2	9	5	550	12 263	450	733	8 772	37 485	25 446	62 788	1 161

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	COOK COUNTY, IL—												
	Con.												
31-33	Manufacturing—												
	Con.												
311	Food mfg—Con.												
3119	Other food mfg	2	96	44	5 734	204 073	3 615	8 097	103 961	1 284 089	915 673	2 198 942	44 024
31191	Snack food mfg	—	11	4	f	D	D	D	D	D	D	D	D
31193	Flavoring syrup & concentrate mfg	1	6	1	527	17 245	30	63	980	36 812	16 488	55 171	D
311930	Flavoring syrup & concentrate mfg	1	6	1	527	17 245	30	63	980	36 812	16 488	55 171	D
31194	Seasoning & dressing mfg	4	24	14	1 673	73 765	971	2 110	34 417	620 930	376 872	996 818	17 894
311941	Mayonnaise, dressing, & other prepared sauce mfg	6	11	5	f	D	D	D	D	D	D	D	D
311942	Spice & extract mfg ...	—	13	9	f	D	D	D	D	D	D	D	D
31199	All other food mfg	—	48	21	2 806	92 791	2 081	4 750	55 091	475 449	367 466	843 149	D
311991	Perishable prepared food mfg	1	19	9	g	D	D	D	D	D	D	D	D
311999	All other miscellaneous food mfg	—	29	12	g	D	D	D	D	D	D	D	D
312	Beverage & tobacco product mfg	1	26	14	h	D	D	D	D	D	D	D	18 504
3121	Beverage mfg	2	24	13	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	2	17	11	g	D	D	D	D	D	D	D	D
312111	Soft drink mfg	2	14	10	1 823	69 867	1 258	2 806	36 519	273 600	543 727	814 448	D
313	Textile mills	5	41	7	f	D	D	D	D	D	D	D	D
3133	Textile & fabric finishing & fabric coating mills	5	21	3	f	D	D	D	D	D	D	D	D
314	Textile product mills	4	134	32	2 836	60 820	2 158	3 993	38 489	157 858	131 814	291 179	D
3141	Textile furnishings mills	2	74	10	1 088	20 688	800	1 532	14 034	73 183	58 420	133 871	1 049
31412	Curtain & linen mills	2	73	10	g	D	D	D	D	D	D	D	D
314129	Other household textile product mills	1	18	9	773	14 878	550	1 084	10 365	61 237	48 164	111 818	D
3149	Other textile product mills ..	5	60	22	1 748	40 132	1 358	2 461	24 455	84 675	73 394	157 308	D
31491	Textile bag & canvas mills	5	30	11	f	D	D	D	D	D	D	D	D
314912	Canvas & related product mills	7	23	8	f	D	D	D	D	D	D	D	1 966
31499	All other textile product mills	6	30	11	f	D	D	D	D	D	D	D	D
314999	All other miscellaneous textile product mills ..	6	29	10	f	D	D	D	D	D	D	D	D
315	Apparel mfg	2	173	59	7 358	172 153	5 533	10 804	93 496	325 587	299 900	625 679	11 279
3151	Apparel knitting mills	—	12	7	f	D	D	D	D	D	D	D	D
31519	Other apparel knitting mills	—	11	7	f	D	D	D	D	D	D	D	D
315191	Outerwear knitting mills	—	10	6	f	D	D	D	D	D	D	D	D
3152	Cut & sew apparel mfg	3	106	36	h	D	D	D	D	D	D	D	D
31521	Cut & sew apparel contractors	8	44	11	g	D	D	D	D	D	D	D	D
315212	Women's, girls', & infants' cut & sew apparel contractors ..	8	39	8	g	D	D	D	D	D	D	D	D
31522	Men's & boys' cut & sew apparel mfg	1	18	9	g	D	D	D	D	D	D	D	D
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	2	7	3	g	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	4	30	13	694	16 317	531	865	8 598	38 685	30 122	70 576	656
3159	Apparel accessories & other apparel mfg	1	55	16	g	D	D	D	D	D	D	D	D
31599	Apparel accessories & other apparel mfg	1	55	16	g	D	D	D	D	D	D	D	D
315992	Glove & mitten mfg ...	—	3	2	f	D	D	D	D	D	D	D	D
315999	Other apparel accessories & other apparel mfg	2	46	10	g	D	D	D	D	D	D	D	D
316	Leather & allied product mfg .	1	35	14	g	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	1	27	11	g	D	D	D	D	D	D	D	D
31699	Other leather & allied product mfg	1	27	11	g	D	D	D	D	D	D	D	D
316999	All other leather good mfg	—	8	3	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	COOK COUNTY, IL— Con. Manufacturing— Con.												
321	Wood product mfg	4	119	31	2 009	56 842	1 573	3 153	35 576	103 890	120 102	224 114	D
3219	Other wood product mfg . . .	4	107	24	1 662	48 366	1 302	2 606	30 102	86 658	103 578	190 337	D
32191	Millwork	7	35	10	653	25 107	475	1 008	14 945	40 012	45 583	85 854	D
32199	All other wood product mfg	4	32	6	553	12 557	438	862	8 333	22 853	20 639	43 339	D
321999	All other miscellaneous wood product mfg . . .	4	31	6	f	D	D	D	D	D	D	D	D
322	Paper mfg	1	188	133	14 692	530 467	10 319	22 065	317 274	1 420 370	1 403 130	2 831 980	87 465
3222	Converted paper product mfg	1	185	130	j	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	—	103	82	8 517	313 450	6 406	13 778	196 793	697 495	876 057	1 578 514	46 300
322211	Corrugated & solid fiber box mfg	1	52	44	4 449	167 670	3 169	6 740	95 522	367 171	527 636	896 329	31 598
322212	Folding paperboard box mfg	—	31	24	h	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container mfg . . .	—	2	2	f	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	—	38	25	3 556	131 640	2 101	4 456	64 851	545 539	327 781	877 102	24 308
322222	Coated & laminated paper mfg	1	27	16	2 286	82 631	1 261	2 622	41 396	381 083	209 291	594 348	18 302
322223	Plastics, foil, & coated paper bag mfg	—	2	1	f	D	D	D	D	D	D	D	D
32223	Stationery product mfg . . .	3	24	12	1 541	39 801	1 008	2 058	26 301	77 449	84 238	161 580	D
322232	Envelope mfg	3	13	8	1 307	33 119	829	1 687	21 700	64 426	79 549	143 856	D
32229	Other converted paper product mfg	1	20	11	f	D	D	D	D	D	D	D	D
322299	All other converted paper product mfg . . .	1	17	11	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	2	1 197	274	26 309	1 029 000	18 797	37 955	612 966	2 143 743	1 376 886	3 505 672	179 014
3231	Printing & related support activities	2	1 197	274	26 309	1 029 000	18 797	37 955	612 966	2 143 743	1 376 886	3 505 672	179 014
32311	Printing	2	1 012	212	20 995	832 965	14 727	29 920	484 245	1 750 297	1 267 728	3 003 253	157 779
323110	Commercial lithographic printing . . .	2	497	131	13 226	562 477	9 446	19 790	340 652	1 111 178	793 802	1 893 907	111 408
323112	Commercial flexographic printing . . .	5	27	9	1 060	44 251	729	1 465	24 908	96 067	66 802	163 016	5 714
323113	Commercial screen printing	1	69	14	1 042	27 919	716	1 248	13 935	50 464	37 186	87 673	8 736
323114	Quick printing	2	207	13	1 336	37 429	956	1 622	22 492	78 965	48 603	126 873	4 945
323116	Manifold business form printing	1	26	11	705	25 449	477	962	14 524	52 227	71 342	122 742	2 690
323117	Book printing	1	26	10	893	32 975	582	1 165	18 758	61 766	38 387	99 563	7 372
323118	Blankbook, looseleaf binder, & device mfg . . .	—	17	9	1 156	46 649	684	1 345	12 903	177 307	124 150	301 253	7 832
323119	Other commercial printing	5	113	11	1 296	46 937	919	1 901	29 984	100 994	64 115	163 604	6 941
32312	Support activities for printing	3	185	62	5 314	196 035	4 070	8 035	128 721	393 446	109 158	502 419	21 235
323121	Tradebinding & related work	3	55	26	2 632	59 777	2 153	4 094	41 433	107 422	22 212	129 440	4 976
323122	Prepress services	3	130	36	2 682	136 258	1 917	3 941	87 288	286 024	86 946	372 979	16 259
324	Petroleum & coal products mfg	—	42	17	1 732	81 428	979	2 179	40 930	488 545	1 427 483	1 916 771	D
3241	Petroleum & coal products mfg	—	42	17	1 732	81 428	979	2 179	40 930	488 545	1 427 483	1 916 771	D
32411	Petroleum refineries	—	6	4	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries	—	6	4	f	D	D	D	D	D	D	D	D
32412	Asphalt paving, roofing, & saturated materials mfg	1	19	6	f	D	D	D	D	D	D	D	D
324122	Asphalt shingle & coating materials mfg	1	11	5	f	D	D	D	D	D	D	D	D
32419	Other petroleum & coal products mfg	1	17	7	f	D	D	D	D	D	D	D	D
325	Chemical mfg	1	344	169	16 726	672 142	9 798	20 680	321 818	4 396 965	3 363 499	7 750 538	208 248
3251	Basic chemical mfg	—	40	25	2 160	98 174	1 238	2 675	50 626	489 560	572 008	1 058 454	D
32518	Other basic inorganic chemical mfg	—	13	9	927	43 126	651	1 438	27 960	157 644	153 184	310 707	D
325188	All other basic inorganic chemical mfg	—	13	9	927	43 126	651	1 438	27 960	157 644	153 184	310 707	D
32519	Other basic organic chemical mfg	—	18	11	934	42 076	399	826	15 258	252 079	342 191	591 274	D
325199	All other basic organic chemical mfg	—	18	11	934	42 076	399	826	15 258	252 079	342 191	591 274	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	COOK COUNTY, IL—Con.												
31-33	Manufacturing—Con.												
325	Chemical mfg—Con.												
3254	Pharmaceutical & medicine mfg	1	20	11	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	1	20	11	g	D	D	D	D	D	D	D	D
325412	Pharmaceutical preparation mfg	1	16	9	g	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg	1	87	42	3 554	151 244	2 052	4 438	69 201	673 914	806 405	1 479 628	32 093
32551	Paint & coating mfg	—	63	33	2 826	117 889	1 647	3 535	54 449	504 727	647 531	1 152 274	17 430
325510	Paint & coating mfg	—	63	33	2 826	117 889	1 647	3 535	54 449	504 727	647 531	1 152 274	17 430
32552	Adhesive mfg	2	24	9	728	33 355	405	903	14 752	169 187	158 874	327 354	14 663
325520	Adhesive mfg	2	24	9	728	33 355	405	903	14 752	169 187	158 874	327 354	14 663
3256	Soap, cleaning compound, & toilet preparation mfg ..	—	87	37	5 498	202 885	3 363	7 019	94 473	1 777 165	858 235	2 619 205	73 956
32561	Soap & cleaning compound mfg	1	60	20	1 871	67 704	1 080	2 496	30 207	637 226	432 706	1 074 359	D
325611	Soap & other detergent mfg	3	30	7	588	19 361	383	836	10 085	77 380	67 782	148 244	3 032
325612	Polish & other sanitation good mfg ..	—	23	8	992	34 748	533	1 300	13 146	502 831	250 219	758 331	7 903
32562	Toilet preparation mfg	—	27	17	3 627	135 181	2 283	4 523	64 266	1 139 939	425 529	1 544 846	D
325620	Toilet preparation mfg ..	—	27	17	3 627	135 181	2 283	4 523	64 266	1 139 939	425 529	1 544 846	D
3259	Other chemical product mfg	2	86	45	3 706	143 408	2 258	4 714	74 570	836 318	740 041	1 574 255	D
32591	Printing ink mfg	—	25	15	918	38 904	506	1 089	19 817	102 517	134 905	231 468	D
325910	Printing ink mfg	—	25	15	918	38 904	506	1 089	19 817	102 517	134 905	231 468	D
32599	All other chemical product & preparation mfg	2	61	30	2 788	104 504	1 752	3 625	54 753	733 801	605 136	1 342 787	36 510
325991	Custom compounding of purchased resin ...	4	14	8	690	19 333	493	1 012	11 659	55 779	70 710	126 355	D
325992	Photographic film, paper, plate, & chemical mfg	—	13	6	591	19 268	363	769	9 718	51 260	94 613	147 018	D
325998	All other miscellaneous chemical product & preparation mfg	2	34	16	1 507	65 903	896	1 844	33 376	626 762	439 813	1 069 414	24 754
326	Plastics & rubber products mfg	1	353	203	20 971	642 429	16 283	34 367	405 382	1 659 927	1 477 558	3 131 588	146 363
3261	Plastics product mfg	1	308	181	18 962	582 272	14 828	31 143	366 727	1 535 266	1 371 850	2 902 042	139 437
32611	Unsupported plastics film, sheet, & bag mfg ..	1	39	26	3 665	130 352	2 624	6 132	78 707	407 758	380 759	792 398	46 227
326111	Unsupported plastics bag mfg	—	12	8	1 325	35 752	1 225	2 928	32 160	119 131	114 327	232 929	23 712
326112	Unsupported plastics packaging film & sheet mfg	—	7	6	551	27 189	398	1 016	14 518	63 852	88 178	152 747	3 535
326113	Unsupported plastics film & sheet (except packaging) mfg	2	20	12	1 789	67 411	1 001	2 188	32 029	224 775	178 254	406 722	18 980
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	2	23	14	1 273	37 405	945	1 945	23 270	80 267	59 049	139 212	4 510
326121	Unsupported plastics profile shape mfg	1	19	12	1 199	35 125	890	1 842	21 799	73 475	48 662	121 991	4 035
32613	Laminated plastics plate, sheet, & shape mfg	—	17	5	524	15 074	352	659	9 518	46 758	42 046	87 690	3 835
326130	Laminated plastics plate, sheet, & shape mfg	—	17	5	524	15 074	352	659	9 518	46 758	42 046	87 690	3 835
32616	Plastics bottle mfg	2	10	7	872	26 867	749	1 558	21 191	57 866	65 960	123 697	D
326160	Plastics bottle mfg	2	10	7	872	26 867	749	1 558	21 191	57 866	65 960	123 697	D
32619	Other plastics product mfg	1	207	121	11 943	350 836	9 704	19 962	222 753	883 532	765 386	1 641 052	75 270
326199	All other plastics product mfg	1	204	118	11 857	348 664	9 640	19 836	221 149	879 320	763 837	1 635 281	D
3262	Rubber product mfg	1	45	22	2 009	60 157	1 455	3 224	38 655	124 661	105 708	229 546	6 926
32629	Other rubber product mfg	1	29	14	1 604	47 950	1 187	2 611	31 634	104 319	68 692	172 123	4 990
326291	Rubber product mfg for mechanical use	—	12	6	967	28 555	697	1 601	18 855	67 407	42 146	109 136	D
326299	All other rubber product mfg	3	17	8	637	19 395	490	1 010	12 779	36 912	26 546	62 987	D

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

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	COOK COUNTY, IL— Con.												
31-33	Manufacturing— Con.												
327	Nonmetallic mineral product mfg	2	173	83	5 587	198 111	4 256	8 814	134 080	469 424	391 512	858 487	64 448
3271	Clay product & refractory mfg	1	21	10	f	D	D	D	D	D	D	D	2 499
3272	Glass & glass product mfg	1	40	11	1 585	51 707	1 357	2 798	39 235	148 179	75 747	221 476	D
32721	Glass & glass product mfg	1	40	11	1 585	51 707	1 357	2 798	39 235	148 179	75 747	221 476	D
327213	Glass container mfg	—	2	2	f	D	D	D	D	D	D	D	D
327215	Glass product mfg made of purchased glass	2	30	9	832	22 637	676	1 408	14 246	59 943	46 938	106 231	D
3273	Cement & concrete product mfg	2	48	31	1 638	66 828	1 227	2 450	46 146	139 821	145 494	284 692	15 635
32732	Ready-mix concrete mfg	3	28	20	1 190	50 008	869	1 738	35 869	103 110	117 956	220 498	12 439
327320	Ready-mix concrete mfg	3	28	20	1 190	50 008	869	1 738	35 869	103 110	117 956	220 498	12 439
3279	Other nonmetallic mineral product mfg	3	53	27	1 513	50 874	1 073	2 279	30 588	102 956	84 134	188 844	15 300
32791	Abrasive product mfg	1	15	10	586	16 313	432	878	8 815	23 731	20 979	45 427	1 244
327910	Abrasive product mfg	1	15	10	586	16 313	432	878	8 815	23 731	20 979	45 427	1 244
32799	All other nonmetallic mineral product mfg	3	38	17	927	34 561	641	1 401	21 773	79 225	63 155	143 417	14 056
331	Primary metal mfg	—	152	97	14 027	568 188	10 811	23 808	371 782	1 442 980	2 307 013	3 716 329	118 494
3311	Iron & steel mills & ferroalloy mfg	—	11	10	h	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	—	11	10	h	D	D	D	D	D	D	D	D
331111	Iron & steel mills	—	11	10	h	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	—	30	23	3 134	151 994	2 211	4 887	84 128	474 901	803 292	1 284 824	27 461
33121	Iron & steel pipes & tubes mfg from purchased steel	—	16	15	g	D	D	D	D	D	D	D	D
331210	Iron & steel pipes & tubes mfg from purchased steel	—	16	15	g	D	D	D	D	D	D	D	D
33122	Rolling & drawing of purchased steel	—	14	8	f	D	D	D	D	D	D	D	D
331221	Cold-rolled steel shape mfg	—	8	5	f	D	D	D	D	D	D	D	D
3313	Alumina & aluminum production & processing	—	12	8	1 372	63 489	1 058	2 267	44 370	174 803	316 879	474 082	D
33131	Alumina & aluminum production & processing	—	12	8	1 372	63 489	1 058	2 267	44 370	174 803	316 879	474 082	D
331315	Aluminum sheet, plate, & foil mfg	—	2	2	f	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing	—	23	16	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, & alloying	—	9	7	968	37 364	754	1 606	25 567	90 100	183 123	275 775	D
3315	Foundries	1	76	40	4 600	142 329	3 765	8 336	101 326	311 404	251 326	560 886	17 838
33151	Ferrous metal foundries	—	20	9	1 523	45 401	1 302	2 866	34 529	120 411	78 817	196 833	4 865
331511	Iron foundries	—	9	4	f	D	D	D	D	D	D	D	2 387
331513	Steel foundries (except investment)	—	10	4	928	25 968	830	1 905	21 860	74 786	50 073	123 424	D
33152	Nonferrous metal foundries	1	56	31	3 077	96 928	2 463	5 470	66 797	190 993	172 509	364 053	12 973
331521	Aluminum die-casting foundries	1	14	10	1 534	48 916	1 299	2 919	36 777	96 567	97 357	194 959	D
331522	Nonferrous (except aluminum) die-casting foundries	—	10	8	595	17 152	401	788	9 450	32 821	31 191	64 233	1 945
331524	Aluminum foundries (except die-casting)	1	15	6	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	1 675	665	61 167	2 145 660	46 363	97 616	1 376 097	4 809 935	3 794 369	8 595 162	314 505
3321	Forging & stamping	—	207	111	12 255	445 023	9 651	20 870	296 752	965 297	1 031 090	1 987 334	86 376
33211	Forging & stamping	—	207	111	12 255	445 023	9 651	20 870	296 752	965 297	1 031 090	1 987 334	86 376
332111	Iron & steel forging	—	15	9	1 159	46 724	884	1 865	31 868	87 481	85 316	170 745	9 537
332112	Nonferrous forging	—	3	3	f	D	D	D	D	D	D	D	D
332114	Custom roll forming	—	13	6	632	20 899	421	901	12 400	36 481	60 496	95 520	1 670
332115	Crown & closure mfg	—	4	1	f	D	D	D	D	D	D	D	D
332116	Metal stamping	1	168	90	9 165	329 543	7 293	15 793	215 035	714 716	765 367	1 475 619	54 681
3322	Cutlery & handtool mfg	1	66	29	3 280	113 752	2 254	4 930	65 128	238 777	123 287	377 535	19 261
33221	Cutlery & handtool mfg	1	66	29	3 280	113 752	2 254	4 930	65 128	238 777	123 287	377 535	19 261
332212	Hand & edge tool mfg	2	56	24	2 798	99 982	1 906	4 167	56 583	209 899	102 024	326 371	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	COOK COUNTY, IL—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3323	Architectural & structural metals mfg	1	224	96	7 599	241 861	5 278	11 132	143 882	660 034	413 866	1 072 389	22 427
33231	Plate work & fabricated structural product mfg . .	1	66	31	1 800	60 168	1 140	2 440	33 752	153 122	117 729	272 557	5 132
332312	Fabricated structural metal mfg	1	46	20	1 110	36 201	648	1 352	18 412	110 537	85 324	197 240	2 826
332313	Plate work mfg	1	16	8	622	22 254	445	1 007	14 363	38 978	27 114	66 395	2 125
33232	Ornamental & architectural metal products mfg	1	158	65	5 799	181 693	4 138	8 692	110 130	506 912	296 137	799 832	17 295
332321	Metal window & door mfg	2	38	10	1 057	29 513	704	1 468	14 732	66 203	55 557	121 143	1 923
332322	Sheet metal work mfg .	—	78	39	2 985	98 829	2 229	4 533	63 648	302 669	136 893	438 370	12 479
332323	Ornamental & architectural metal work mfg	—	42	16	1 757	53 351	1 205	2 691	31 750	138 040	103 687	240 319	2 893
3324	Boiler, tank, & shipping container mfg	1	42	19	2 695	114 859	2 149	4 890	81 659	244 582	392 284	637 776	8 749
33243	Metal can, box, & other metal container (light gauge) mfg	1	29	15	2 252	97 202	1 827	4 260	71 103	210 461	375 615	585 684	D
332431	Metal can mfg	1	13	6	1 155	53 572	1 002	2 200	45 407	123 675	258 245	380 646	D
332439	Other metal container mfg	1	16	9	1 097	43 630	825	2 060	25 696	86 786	117 370	205 038	4 551
3325	Hardware mfg	1	27	13	1 449	46 094	1 075	2 139	28 148	98 695	65 641	163 983	5 566
33251	Hardware mfg	1	27	13	1 449	46 094	1 075	2 139	28 148	98 695	65 641	163 983	5 566
332510	Hardware mfg	1	27	13	1 449	46 094	1 075	2 139	28 148	98 695	65 641	163 983	5 566
3326	Spring & wire product mfg .	1	102	48	4 545	144 918	3 615	7 092	90 355	292 551	235 501	519 176	16 412
33261	Spring & wire product mfg	1	102	48	4 545	144 918	3 615	7 092	90 355	292 551	235 501	519 176	16 412
332611	Spring (heavy gauge) mfg	1	13	6	810	25 781	669	1 341	19 429	47 535	51 850	98 823	2 761
332612	Spring (light gauge) mfg	2	28	16	1 400	47 447	1 176	2 530	33 197	100 916	65 402	163 296	5 261
332618	Other fabricated wire product mfg	—	61	26	2 335	71 690	1 770	3 221	37 729	144 100	118 249	257 057	8 390
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	628	194	13 796	496 673	10 651	22 263	329 053	999 376	489 976	1 482 128	85 562
33271	Machine shops	1	460	121	7 624	285 487	5 961	12 556	191 921	523 135	229 948	749 509	41 012
332710	Machine shops	1	460	121	7 624	285 487	5 961	12 556	191 921	523 135	229 948	749 509	41 012
33272	Turned product & screw, nut, & bolt mfg	1	168	73	6 172	211 186	4 690	9 707	137 132	476 241	260 028	732 619	44 550
332721	Precision turned product mfg	1	109	42	3 401	114 801	2 862	5 903	80 673	251 017	95 277	341 498	26 119
332722	Bolt, nut, screw, rivet, & washer mfg	—	59	31	2 771	96 385	1 828	3 804	56 459	225 224	164 751	391 121	18 431
3328	Coating, engraving, heat treating, & allied activities .	1	238	103	7 730	262 525	5 955	12 586	163 171	530 129	330 518	861 103	32 929
33281	Coating, engraving, heat treating, & allied activities	1	238	103	7 730	262 525	5 955	12 586	163 171	530 129	330 518	861 103	32 929
332811	Metal heat treating	3	17	9	727	28 548	561	1 340	17 852	60 800	14 997	77 678	5 666
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	—	61	34	2 457	86 412	1 901	4 064	58 380	201 516	201 047	399 437	14 354
332813	Electroplating, plating, polishing, anodizing, & coloring	1	160	60	4 546	147 565	3 493	7 182	86 939	267 813	114 474	383 988	12 909
3329	Other fabricated metal product mfg	—	141	52	7 818	279 955	5 735	11 714	177 949	780 494	712 206	1 493 738	37 223
33291	Metal valve mfg	1	34	22	3 071	120 377	2 209	4 539	71 590	334 008	252 978	585 922	15 224
332911	Industrial valve mfg	1	16	9	900	32 525	603	1 285	18 564	106 310	49 471	155 945	3 802
332913	Plumbing fixture fitting & trim mfg	—	3	3	1 033	44 288	755	1 477	29 045	89 395	76 790	167 485	6 114
332919	Other metal valve & pipe fitting mfg	3	6	5	781	30 045	614	1 245	16 189	89 824	88 376	177 326	2 906
33299	All other fabricated metal product mfg	—	107	30	4 747	159 578	3 526	7 175	106 359	446 486	459 228	907 816	21 999
332998	Enameled iron & metal sanitary ware mfg	—	2	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	—	67	20	3 327	105 741	2 633	5 310	76 530	327 927	381 035	711 788	13 360

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	COOK COUNTY, IL—Con.												
31-33	Manufacturing—Con.												
333	Machinery mfg	1	840	291	28 920	1 144 611	17 761	37 220	603 166	2 397 283	2 069 185	4 471 525	150 522
3332	Industrial machinery mfg ..	1	112	46	4 163	157 383	2 064	4 133	68 968	303 805	272 572	574 000	22 526
33329	Other industrial machinery mfg	1	102	44	3 932	145 570	1 907	3 791	62 370	287 914	250 218	537 261	D
333293	Printing machinery & equipment mfg	1	31	12	1 556	54 229	576	1 163	21 689	104 317	90 398	192 688	1 964
333294	Food product machinery mfg	—	16	12	f	D	D	D	D	D	D	D	2 538
333298	All other industrial machinery mfg	3	47	17	1 439	54 510	834	1 649	23 166	118 148	104 695	222 977	13 423
3333	Commercial & service industry machinery mfg ..	—	88	37	5 064	189 108	2 369	4 741	65 206	400 277	415 391	804 263	22 309
33331	Commercial & service industry machinery mfg	—	88	37	5 064	189 108	2 369	4 741	65 206	400 277	415 391	804 263	22 309
333313	Office machinery mfg ..	—	11	7	g	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	—	38	16	2 125	76 952	1 193	2 505	34 219	187 116	190 512	373 314	9 410
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1	33	14	1 525	53 457	1 053	2 128	27 563	128 664	81 979	206 366	6 357
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	1	33	14	1 525	53 457	1 053	2 128	27 563	128 664	81 979	206 366	6 357
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	2	15	8	f	D	D	D	D	D	D	D	2 519
3335	Metalworking machinery mfg	1	399	99	7 934	346 001	5 823	12 654	228 519	656 876	333 389	997 579	43 363
33351	Metalworking machinery mfg	1	399	99	7 934	346 001	5 823	12 654	228 519	656 876	333 389	997 579	43 363
333511	Industrial mold mfg ...	1	99	25	1 661	79 936	1 330	3 082	57 935	145 361	50 237	192 560	8 430
333512	Machine tool (metal cutting types) mfg ...	4	14	8	519	21 604	331	739	11 032	41 451	39 023	79 635	D
333513	Machine tool (metal forming types) mfg ...	—	9	6	1 066	48 746	712	1 451	31 934	123 277	51 548	182 067	6 381
333514	Special die & tool, die set, jig, & fixture mfg ..	2	178	40	2 724	121 195	2 151	4 593	83 278	206 722	87 531	298 196	12 838
333515	Cutting tool & machine tool accessory mfg ..	1	79	14	1 417	53 808	1 002	2 127	33 412	109 789	65 886	173 670	9 126
3336	Engine, turbine, & power transmission equipment mfg	—	28	14	2 183	96 449	1 582	3 194	65 799	253 690	319 964	583 897	18 002
33361	Engine, turbine, & power transmission equipment mfg	—	28	14	2 183	96 449	1 582	3 194	65 799	253 690	319 964	583 897	18 002
333612	Speed changer, industrial high-speed drive, & gear mfg	—	19	11	g	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg	—	3	1	f	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	1	166	76	7 601	287 637	4 557	9 700	138 189	631 052	620 821	1 257 458	35 658
33391	Pump & compressor mfg	—	24	12	1 940	79 397	1 117	2 376	38 955	179 221	168 508	353 089	11 247
333911	Pump & pumping equipment mfg	—	16	9	g	D	D	D	D	D	D	D	D
333912	Air & gas compressor mfg	1	8	3	f	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	3	42	22	1 859	67 783	1 089	2 391	31 077	136 406	127 018	263 099	5 831
333922	Conveyor & conveying equipment mfg	3	20	9	878	32 368	500	1 158	14 398	62 609	72 303	134 652	3 268
33399	All other general-purpose machinery mfg	2	100	42	3 802	140 457	2 351	4 933	68 157	315 425	325 295	641 270	18 580
333993	Packaging machinery mfg	3	26	15	1 332	57 523	751	1 591	26 670	136 477	107 455	248 341	8 710
333999	All other miscellaneous general-purpose machinery mfg	1	45	17	1 414	47 765	917	1 943	24 669	107 737	95 006	201 692	6 672
334	Computer & electronic product mfg	—	326	145	36 168	1 611 615	18 112	34 953	543 848	3 107 075	3 419 369	6 495 217	382 039
3341	Computer & peripheral equipment mfg	—	23	5	g	D	D	D	D	D	D	D	D
33411	Computer & peripheral equipment mfg	—	23	5	g	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment mfg	—	14	3	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)					
	COOK COUNTY, IL—Con.													
31-33	Manufacturing—Con.													
334	Computer & electronic product mfg—Con.													
3342	Communications equipment mfg	-	45	13	j	D	D	D	D	D	D	D	D	
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	20	6	j	D	D	D	D	D	D	D	D	
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	20	6	j	D	D	D	D	D	D	D	D	
3343	Audio & video equipment mfg	-	13	6		1 089	40 375	555	1 121	13 576	120 825	86 603	207 688	D
33431	Audio & video equipment mfg	-	13	6		1 089	40 375	555	1 121	13 576	120 825	86 603	207 688	D
334310	Audio & video equipment mfg	-	13	6		1 089	40 375	555	1 121	13 576	120 825	86 603	207 688	D
3344	Semiconductor & other electronic component mfg	-	124	66		11 359	307 494	8 840	17 166	186 207	502 459	504 833	1 010 014	41 533
33441	Semiconductor & other electronic component mfg	-	124	66		11 359	307 494	8 840	17 166	186 207	502 459	504 833	1 010 014	41 533
334411	Electron tube mfg	-	4	3	h	D	D	D	D	D	D	D	D	D
334412	Bare printed circuit board mfg	1	37	23		2 968	82 930	2 300	4 710	54 319	156 993	136 632	291 782	18 062
334416	Electronic coil, transformer, & other inductor mfg	1	24	12		923	19 712	756	1 585	12 458	33 504	19 629	53 359	D
334417	Electronic connector mfg	1	4	4	f	D	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	-	30	12		1 827	59 463	1 212	2 235	26 473	123 434	63 866	191 333	6 402
3345	Navigational, measuring, medical, & control instruments mfg	-	97	47		7 950	367 416	3 347	6 856	95 577	848 723	437 557	1 287 371	52 214
33451	Navigational, measuring, medical, & control instruments mfg	-	97	47		7 950	367 416	3 347	6 856	95 577	848 723	437 557	1 287 371	52 214
334510	Electromedical & electrotherapeutic apparatus mfg	-	11	6	g	D	D	D	D	D	D	D	D	5 330
334511	Search, detection, navigation, & guidance instrument mfg	-	5	4	h	D	D	D	D	D	D	D	D	D
334513	Industrial process control instrument mfg	2	16	10		789	32 417	338	696	9 884	97 394	64 956	162 372	2 460
334517	Irradiation apparatus mfg	-	13	9	g	D	D	D	D	D	D	D	D	D
334519	Other measuring & controlling device mfg	2	14	7		505	19 186	245	459	6 638	52 933	32 392	85 640	D
3346	Mfg & reproducing magnetic & optical media .	1	24	8	g	D	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	1	24	8	g	D	D	D	D	D	D	D	D	D
334612	Prerecorded CD (except software), tape, & record reproducing	-	18	7	g	D	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	217	112		20 602	713 114	13 733	29 102	363 007	1 947 095	1 482 406	3 414 152	179 486
3351	Electric lighting equipment mfg	-	60	31		4 527	147 399	3 055	5 915	62 375	371 147	300 157	664 894	D
33512	Lighting fixture mfg	-	56	29	h	D	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture mfg ...	-	24	11		2 341	89 194	1 472	3 011	31 953	248 167	167 354	409 761	D
335122	Commercial/industrial/institutional electric lighting fixture mfg ...	-	17	10	g	D	D	D	D	D	D	D	D	D
335129	Other lighting equipment mfg	1	15	8	f	D	D	D	D	D	D	D	D	D
3352	Household appliance mfg..	-	11	7		2 309	68 521	1 853	4 141	47 990	236 444	260 256	493 032	D
33521	Small electrical appliance mfg	-	6	2		549	13 867	397	916	10 255	31 794	50 896	85 069	D
335211	Electric housewares & household fan mfg ...	-	6	2		549	13 867	397	916	10 255	31 794	50 896	85 069	D
33522	Major appliance mfg	-	5	5		1 760	54 654	1 456	3 225	37 735	204 650	209 360	407 963	D
335221	Household cooking appliance mfg	-	4	4	g	D	D	D	D	D	D	D	D	D

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

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	COOK COUNTY, IL—Con.												
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg—Con.												
3353	Electrical equipment mfg ..	-	85	41	7 652	274 405	5 114	11 048	146 680	705 542	533 277	1 216 388	53 980
33531	Electrical equipment mfg	-	85	41	7 652	274 405	5 114	11 048	146 680	705 542	533 277	1 216 388	53 980
335311	Power, distribution, & specialty transformer mfg	-	10	8	1 325	37 423	919	1 967	18 944	135 961	71 108	208 099	D
335312	Motor & generator mfg	1	18	9	1 082	30 970	794	1 665	17 788	130 554	70 700	201 922	D
335313	Switchgear & switchboard apparatus mfg	-	19	13	3 974	165 180	2 661	6 276	91 548	314 716	237 916	554 134	29 577
335314	Relay & industrial control mfg	-	38	11	1 271	40 832	740	1 140	18 400	124 311	153 553	252 233	D
3359	Other electrical equipment & component mfg	-	61	33	6 114	222 789	3 711	7 998	105 962	633 962	388 716	1 039 838	56 839
33592	Communication & energy wire & cable mfg	-	7	5	g	D	D	D	D	D	D	D	D
335929	Other communication & energy wire mfg ...	-	7	5	g	D	D	D	D	D	D	D	D
33593	Wiring device mfg	-	27	17	3 124	109 956	2 086	4 243	60 638	233 454	249 865	485 575	23 495
335931	Current-carrying wiring device mfg	-	17	11	1 537	46 969	1 016	1 947	24 424	80 227	98 267	179 330	3 267
335932	Noncurrent-carrying wiring device mfg	-	10	6	1 587	62 987	1 070	2 296	36 214	153 227	151 598	306 245	20 228
33599	All other electrical equipment & component mfg	3	24	11	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment & component mfg	3	22	11	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	166	91	19 479	808 096	15 132	30 199	561 085	3 503 201	4 972 830	8 468 888	257 484
3361	Motor vehicle mfg	-	5	1	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	-	5	1	h	D	D	D	D	D	D	D	D
336111	Automobile mfg	-	2	1	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg	-	9	7	g	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg	-	9	7	g	D	D	D	D	D	D	D	D
336211	Motor vehicle body mfg	-	5	3	f	D	D	D	D	D	D	D	D
336212	Truck trailer mfg	-	3	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	121	67	j	D	D	D	D	D	D	D	168 730
33631	Motor vehicle gasoline engine & engine parts mfg	2	17	8	794	19 249	675	799	13 313	42 707	41 033	81 233	4 332
336312	Gasoline engine & engine parts mfg	2	15	7	f	D	D	D	D	D	D	D	D
33632	Motor vehicle electrical & electronic equipment mfg	1	28	14	1 524	35 619	1 171	2 289	21 926	97 522	100 680	200 817	D
336322	Other motor vehicle electrical & electronic equipment mfg	-	23	12	g	D	D	D	D	D	D	D	D
33635	Motor vehicle transmission & power train parts mfg	-	11	4	1 390	51 098	1 092	1 923	34 869	133 929	105 998	245 337	D
336350	Motor vehicle transmission & power train parts mfg	-	11	4	1 390	51 098	1 092	1 923	34 869	133 929	105 998	245 337	D
33637	Motor vehicle metal stamping	-	26	21	4 139	203 856	3 473	7 078	157 170	475 197	547 243	1 029 014	132 732
336370	Motor vehicle metal stamping	-	26	21	4 139	203 856	3 473	7 078	157 170	475 197	547 243	1 029 014	132 732
33639	Other motor vehicle parts mfg	1	25	13	1 548	48 398	1 174	1 913	25 866	114 144	120 482	234 210	D
336399	All other motor vehicle parts mfg	1	25	13	1 548	48 398	1 174	1 913	25 866	114 144	120 482	234 210	D
3365	Railroad rolling stock mfg ..	-	13	10	4 439	224 648	2 828	6 633	130 822	406 854	1 078 514	1 483 287	21 641
33651	Railroad rolling stock mfg	-	13	10	4 439	224 648	2 828	6 633	130 822	406 854	1 078 514	1 483 287	21 641
336510	Railroad rolling stock mfg	-	13	10	4 439	224 648	2 828	6 633	130 822	406 854	1 078 514	1 483 287	21 641

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	COOK COUNTY, IL—Con.												
31-33	Manufacturing—Con.												
337	Furniture & related product mfg	1	365	82	9 685	266 486	7 555	14 826	166 474	592 685	516 463	1 120 295	24 108
3371	Household & institutional furniture & kitchen cabinet mfg	3	228	31	3 207	76 805	2 597	4 778	53 717	156 579	160 560	318 407	5 920
33711	Wood kitchen cabinet & counter top mfg	3	112	7	1 016	24 650	833	1 591	17 727	41 921	39 108	80 886	2 122
337110	Wood kitchen cabinet & counter top mfg ...	3	112	7	1 016	24 650	833	1 591	17 727	41 921	39 108	80 886	2 122
33712	Household & institutional furniture mfg	3	116	24	2 191	52 155	1 764	3 187	35 990	114 658	121 452	237 521	3 798
337122	Nonupholstered wood household furniture mfg	3	49	7	817	20 972	638	1 166	14 590	45 107	68 491	114 760	1 547
337127	Institutional furniture mfg	2	27	10	823	19 976	643	1 223	13 100	48 462	37 401	86 087	D
3372	Office furniture (including fixtures) mfg	—	102	43	5 558	169 089	4 336	8 819	100 765	395 718	299 721	705 932	16 381
33721	Office furniture (including fixtures) mfg	—	102	43	5 558	169 089	4 336	8 819	100 765	395 718	299 721	705 932	16 381
337214	Office furniture (except wood) mfg	—	9	4	g	D	D	D	D	D	D	D	D
337215	Showcase, partition, shelving, & locker mfg	—	60	27	3 779	101 677	3 014	5 950	62 832	257 346	217 577	479 068	9 114
3379	Other furniture related product mfg	2	35	8	920	20 592	622	1 229	11 992	40 388	56 182	95 956	1 807
33792	Blind & shade mfg	4	21	3	513	10 336	332	666	6 857	18 911	28 195	46 487	904
337920	Blind & shade mfg	4	21	3	513	10 336	332	666	6 857	18 911	28 195	46 487	904
339	Miscellaneous mfg	1	705	181	23 367	757 935	14 823	29 353	344 750	1 812 027	1 468 537	3 260 581	117 404
3391	Medical equipment & supplies mfg	1	279	48	5 262	176 490	3 119	6 030	73 183	427 231	299 079	721 101	30 730
33911	Medical equipment & supplies mfg	1	279	48	5 262	176 490	3 119	6 030	73 183	427 231	299 079	721 101	30 730
339111	Laboratory apparatus & furniture mfg	—	11	5	565	19 755	312	630	7 801	20 211	35 235	54 835	D
339112	Surgical & medical instrument mfg	2	32	15	1 209	41 955	820	1 754	19 732	79 060	50 913	130 314	D
339113	Surgical appliance & supplies mfg	3	34	10	712	22 071	462	876	9 927	38 858	32 477	75 268	D
339114	Dental equipment & supplies mfg	—	29	10	1 178	45 253	649	1 224	17 950	123 295	80 023	201 872	6 766
339115	Ophthalmic goods mfg	—	21	4	869	27 847	322	630	5 283	120 508	83 447	195 834	D
339116	Dental laboratories ...	7	152	4	729	19 609	554	916	12 490	45 299	16 984	62 978	1 458
3399	Other miscellaneous mfg ..	—	426	133	18 105	581 445	11 704	23 323	271 567	1 384 796	1 169 458	2 539 480	86 674
33991	Jewelry & silverware mfg	2	62	10	844	19 879	625	1 061	11 614	50 599	47 862	95 404	1 025
33992	Sporting & athletic goods mfg	—	33	13	1 985	69 498	1 071	2 005	20 119	152 621	155 740	308 942	9 166
339920	Sporting & athletic goods mfg	—	33	13	1 985	69 498	1 071	2 005	20 119	152 621	155 740	308 942	9 166
33993	Doll, toy, & game mfg ...	—	35	10	1 407	39 614	1 010	1 949	20 673	103 593	130 537	239 928	9 939
339932	Game, toy, & children's vehicle mfg	—	30	8	g	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) mfg	—	41	11	1 440	51 267	938	2 009	24 533	187 065	171 831	350 901	7 076
339941	Pen & mechanical pencil mfg	—	4	2	f	D	D	D	D	D	D	D	D
33995	Sign mfg	1	125	32	3 006	104 295	1 836	3 664	48 278	193 381	167 634	357 162	7 296
339950	Sign mfg	1	125	32	3 006	104 295	1 836	3 664	48 278	193 381	167 634	357 162	7 296
33999	All other miscellaneous mfg	—	130	57	9 423	296 892	6 224	12 635	146 350	697 537	495 854	1 187 143	52 172
339991	Gasket, packing, & sealing device mfg ...	—	32	18	4 750	160 974	2 975	5 566	76 230	375 946	213 959	587 402	32 227
339994	Broom, brush, & mop mfg	—	12	8	f	D	D	D	D	D	D	D	4 168
339999	All other miscellaneous mfg	1	59	20	3 028	81 477	2 144	4 512	41 747	200 142	196 111	392 001	14 618

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
CRAWFORD COUNTY, IL													
31-33	Manufacturing	-	20	10	2 547	90 392	2 132	4 308	68 389	343 346	1 823 601	2 175 427	D
311	Food mfg	-	2	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
31132	Chocolate & confectionery mfg from cacao beans	-	1	1	f	D	D	D	D	D	D	D	D
311320	Chocolate & confectionery mfg from cacao beans	-	1	1	f	D	D	D	D	D	D	D	D
324	Petroleum & coal products mfg	-	2	1	f	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg	-	2	1	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
DEKALB COUNTY, IL													
31-33	Manufacturing	-	137	56	6 957	207 682	4 859	8 751	110 230	875 751	666 282	1 511 725	37 497
326	Plastics & rubber products mfg	1	7	6	592	20 302	384	796	9 231	31 312	30 435	61 047	4 659
3261	Plastics product mfg	-	6	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	27	6	941	31 705	665	1 111	17 090	79 816	74 314	155 870	D
333	Machinery mfg	-	19	7	f	D	D	D	D	D	D	D	4 731
334	Computer & electronic product mfg	-	8	6	1 866	57 722	1 152	2 041	20 732	374 871	88 992	459 149	13 854
3342	Communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	4	5	4	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	4	5	4	f	D	D	D	D	D	D	D	D
334419	Other electronic component mfg	4	2	2	f	D	D	D	D	D	D	D	D
DE WITT COUNTY, IL													
31-33	Manufacturing	-	15	8	1 300	39 590	1 037	1 979	26 196	139 182	130 720	267 065	5 130
332	Fabricated metal product mfg	-	3	2	f	D	D	D	D	D	D	D	D
DOUGLAS COUNTY, IL													
31-33	Manufacturing	-	65	19	2 711	79 160	2 111	4 290	49 492	240 917	222 362	481 689	17 084
337	Furniture & related product mfg	-	25	4	865	22 571	747	1 423	17 413	71 892	45 561	118 612	1 675
3371	Household & institutional furniture & kitchen cabinet mfg	-	24	4	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet & counter top mfg	-	12	3	792	20 925	689	1 308	16 327	68 265	42 800	112 231	1 380
337110	Wood kitchen cabinet & counter top mfg	-	12	3	792	20 925	689	1 308	16 327	68 265	42 800	112 231	1 380

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
DUPAGE COUNTY, IL													
31-33	Manufacturing	1	2 033	739	71 351	2 503 047	50 090	103 083	1 411 806	6 631 889	5 309 368	11 938 497	432 005
311	Food mfg	-	69	27	5 095	169 371	4 069	8 283	113 874	972 196	686 065	1 671 586	51 625
3112	Grain & oilseed milling	-	2	2	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal mfg	-	2	2	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal mfg	-	2	2	f	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	-	5	2	g	D	D	D	D	D	D	D	D
31141	Frozen food mfg	-	2	1	g	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, & vegetable mfg	-	1	1	g	D	D	D	D	D	D	D	D
3115	Dairy product mfg	-	1	1	f	D	D	D	D	D	D	D	D
31152	Ice cream & frozen dessert mfg	-	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream & frozen dessert mfg	-	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	1	36	8	f	D	D	D	D	D	D	D	3 804
31181	Bread & bakery product mfg	1	35	8	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries	-	6	4	f	D	D	D	D	D	D	D	D
322	Paper mfg	-	43	27	3 081	117 679	2 206	5 072	75 437	380 812	459 927	831 857	18 381
3222	Converted paper product mfg	-	43	27	3 081	117 679	2 206	5 072	75 437	380 812	459 927	831 857	18 381
32221	Paperboard container mfg	-	24	17	2 212	87 308	1 581	3 765	55 985	288 644	369 062	650 928	13 648
322211	Corrugated & solid fiber box mfg	-	15	13	1 737	68 583	1 181	2 922	40 800	247 057	292 003	533 895	D
323	Printing & related support activities	2	372	104	9 809	342 735	7 037	14 227	206 660	796 433	647 347	1 442 577	61 433
3231	Printing & related support activities	2	372	104	9 809	342 735	7 037	14 227	206 660	796 433	647 347	1 442 577	61 433
32311	Printing	2	323	94	9 171	320 214	6 597	13 452	194 919	755 145	635 521	1 389 442	56 890
323110	Commercial lithographic printing	1	152	49	4 941	185 880	3 516	7 696	111 926	449 180	314 042	763 906	42 358
323113	Commercial screen printing	2	26	8	543	16 362	396	786	8 682	30 008	16 588	46 551	2 072
323116	Manifold business form printing	1	16	9	1 507	49 016	1 121	1 883	33 350	104 698	191 654	294 825	2 565
32312	Support activities for printing	1	49	10	638	22 521	440	775	11 741	41 288	11 826	53 135	4 543
325	Chemical mfg	3	78	29	1 933	68 960	1 078	2 088	30 037	264 134	240 431	502 997	D
3255	Paint, coating, & adhesive mfg	1	16	8	511	18 521	244	434	6 580	65 708	74 198	137 800	5 253
3259	Other chemical product mfg	5	30	9	639	23 994	358	686	11 111	82 728	86 209	167 954	D
326	Plastics & rubber products mfg	3	133	78	7 156	208 385	5 586	11 602	126 410	552 909	521 543	1 073 060	51 663
3261	Plastics product mfg	3	119	72	6 710	196 339	5 223	10 818	117 778	520 966	495 947	1 016 031	49 384
32611	Unsupported plastics film, sheet, & bag mfg	1	10	8	551	17 740	411	821	9 323	41 004	41 683	83 283	D
32616	Plastics bottle mfg	5	8	7	843	26 113	651	1 558	17 188	83 141	106 963	188 681	11 080
326160	Plastics bottle mfg	5	8	7	843	26 113	651	1 558	17 188	83 141	106 963	188 681	11 080
32619	Other plastics product mfg	3	87	50	4 374	127 408	3 340	6 709	74 188	315 349	236 775	551 279	D
326199	All other plastics product mfg	3	85	49	h	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	2	35	16	967	36 267	659	1 353	21 457	114 546	85 414	198 946	4 398
331	Primary metal mfg	-	21	13	1 447	50 301	1 147	2 531	34 773	124 085	157 743	281 329	7 570
3315	Foundries	1	14	7	794	28 263	682	1 487	20 255	56 760	43 000	99 026	3 833
33152	Nonferrous metal foundries	1	10	6	f	D	D	D	D	D	D	D	3 553
332	Fabricated metal product mfg	1	452	161	11 823	413 136	8 989	18 639	264 659	957 477	626 223	1 576 338	68 481
3321	Forging & stamping	-	40	22	1 466	55 181	1 185	2 471	35 274	141 020	100 394	240 937	9 425
33211	Forging & stamping	-	40	22	1 466	55 181	1 185	2 471	35 274	141 020	100 394	240 937	9 425
332116	Metal stamping	-	29	16	1 101	43 342	925	1 977	28 265	105 588	75 410	180 396	7 166
3323	Architectural & structural metals mfg	1	66	27	1 523	52 541	1 097	2 298	30 123	100 780	77 518	178 340	5 550
33232	Ornamental & architectural metal products mfg	1	54	23	1 329	47 239	934	1 957	26 330	91 083	69 611	160 602	5 290
332322	Sheet metal work mfg	1	46	19	1 151	41 498	829	1 748	23 572	78 130	57 017	135 328	4 836
3326	Spring & wire product mfg	-	24	13	714	22 616	597	1 146	15 879	48 761	34 043	82 662	1 904
33261	Spring & wire product mfg	-	24	13	714	22 616	597	1 146	15 879	48 761	34 043	82 662	1 904

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	DUPAGE COUNTY, IL—Con.												
31-33	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	189	44	3 670	141 113	2 761	6 064	91 558	317 795	162 851	474 621	21 064
33271	Machine shops	2	140	15	1 268	49 091	963	1 911	33 237	85 204	34 417	115 912	4 565
332710	Machine shops	2	140	15	1 268	49 091	963	1 911	33 237	85 204	34 417	115 912	4 565
33272	Turned product & screw, nut, & bolt mfg	2	49	29	2 402	92 022	1 798	4 153	58 321	232 591	128 434	358 709	16 499
332721	Precision turned product mfg	4	31	16	1 285	47 174	1 048	2 424	31 269	101 018	46 345	146 538	7 869
332722	Bolt, nut, screw, rivet, & washer mfg	—	18	13	1 117	44 848	750	1 729	27 052	131 573	82 089	212 171	8 630
3328	Coating, engraving, heat treating, & allied activities.	—	45	22	1 615	41 757	1 253	2 272	27 330	84 203	37 757	121 840	12 374
33281	Coating, engraving, heat treating, & allied activities	—	45	22	1 615	41 757	1 253	2 272	27 330	84 203	37 757	121 840	12 374
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	—	18	10	1 038	25 351	854	1 501	17 806	45 946	27 918	73 557	4 811
3329	Other fabricated metal product mfg	—	58	18	1 913	67 265	1 422	2 882	44 272	189 671	147 099	336 404	11 888
33291	Metal valve mfg	—	18	10	1 032	37 003	732	1 591	22 403	94 802	113 784	208 337	6 084
33299	All other fabricated metal product mfg	—	40	8	881	30 262	690	1 291	21 869	94 869	33 315	128 067	5 804
333	Machinery mfg	—	329	117	13 220	522 169	8 625	17 817	283 544	1 142 132	734 269	1 876 230	53 116
3332	Industrial machinery mfg ..	—	48	26	2 093	81 939	1 258	2 496	37 061	158 521	143 612	300 841	5 454
33322	Plastics & rubber industry machinery mfg	—	9	5	f	D	D	D	D	D	D	D	D
333220	Plastics & rubber industry machinery mfg	—	9	5	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	1	37	21	1 406	58 657	858	1 636	27 770	114 567	98 371	212 276	4 461
333293	Printing machinery & equipment mfg	—	18	11	f	D	D	D	D	D	D	D	1 724
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	15	8	1 538	53 869	967	1 800	26 436	137 176	129 026	268 156	7 485
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	—	15	8	1 538	53 869	967	1 800	26 436	137 176	129 026	268 156	7 485
333412	Industrial & commercial fan & blower mfg	—	4	3	707	23 553	420	668	11 339	55 924	47 299	103 189	D
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	—	4	3	594	20 593	430	871	11 363	55 825	59 792	117 724	D
3335	Metalworking machinery mfg	1	180	43	3 250	145 782	2 309	4 911	93 282	282 158	131 732	422 674	17 460
33351	Metalworking machinery mfg	1	180	43	3 250	145 782	2 309	4 911	93 282	282 158	131 732	422 674	17 460
333511	Industrial mold mfg ...	1	69	18	985	47 197	740	1 691	33 486	75 708	35 537	114 481	9 115
333514	Special die & tool, die set, jig, & fixture mfg ..	2	63	13	1 045	44 283	813	1 526	29 819	83 133	33 542	115 901	4 605
3336	Engine, turbine, & power transmission equipment mfg	2	7	6	799	31 761	485	986	16 194	67 563	33 364	102 096	2 595
33361	Engine, turbine, & power transmission equipment mfg	2	7	6	799	31 761	485	986	16 194	67 563	33 364	102 096	2 595
3339	Other general-purpose machinery mfg	—	66	29	5 099	191 049	3 317	6 975	101 417	438 712	238 042	667 556	18 762
33391	Pump & compressor mfg	—	8	4	1 536	50 091	1 224	2 809	35 572	147 278	47 785	190 504	4 351
333912	Air & gas compressor mfg	—	6	3	g	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	—	12	4	543	29 159	359	733	18 792	55 773	36 041	93 089	2 669
33399	All other general-purpose machinery mfg	—	46	21	3 020	111 799	1 734	3 433	47 053	235 661	154 216	383 963	11 742
333993	Packaging machinery mfg	—	12	6	1 361	51 668	690	1 158	19 120	102 708	73 401	172 954	5 646
333995	Fluid power cylinder & actuator mfg	—	5	4	502	20 750	251	571	8 450	38 556	23 297	62 310	D
333999	All other miscellaneous general-purpose machinery mfg	—	22	7	709	27 773	464	1 023	13 309	67 239	45 756	110 718	4 414

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	DUPAGE COUNTY, IL—Con.												
31-33	Manufacturing—Con.												
334	Computer & electronic product mfg.....	2	142	68	7 254	268 987	3 996	8 258	91 526	611 256	429 675	1 052 139	41 257
3342	Communications equipment mfg.....	1	13	8	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg.....	2	6	3	g	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg.....	2	6	3	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	3	77	36	3 336	88 091	2 448	4 787	49 357	203 891	142 399	348 357	13 913
33441	Semiconductor & other electronic component mfg.....	3	77	36	3 336	88 091	2 448	4 787	49 357	203 891	142 399	348 357	13 913
334412	Bare printed circuit board mfg.....	3	26	15	1 034	25 705	766	1 586	15 800	62 926	34 407	98 572	6 585
334417	Electronic connector mfg.....	7	9	4	661	23 853	467	938	11 901	46 777	33 322	81 009	3 381
334419	Other electronic component mfg.....	1	21	8	711	14 897	559	932	8 759	41 154	32 836	74 460	D
3345	Navigational, measuring, medical, & control instruments mfg.....	1	35	20	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg.....	1	35	20	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	-	57	24	2 869	88 494	2 019	4 032	44 916	197 586	222 292	418 762	9 164
3353	Electrical equipment mfg ..	1	27	12	1 141	35 525	683	1 290	15 188	76 222	68 347	145 532	3 990
33531	Electrical equipment mfg.....	1	27	12	1 141	35 525	683	1 290	15 188	76 222	68 347	145 532	3 990
335314	Relay & industrial control mfg.....	1	19	9	948	29 222	582	1 064	13 015	50 678	57 167	108 851	3 410
3359	Other electrical equipment & component mfg.....	-	24	11	g	D	D	D	D	D	D	D	D
33593	Wiring device mfg.....	-	8	5	754	23 222	624	1 117	16 180	55 597	33 298	88 995	2 658
335931	Current-carrying wiring device mfg.....	-	4	3	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg.....	-	13	4	524	17 250	332	777	5 701	33 407	73 940	106 797	D
335999	All other miscellaneous electrical equipment & component mfg.....	-	11	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	2	48	28	2 946	95 814	2 038	4 055	56 716	240 411	269 884	510 380	27 671
3363	Motor vehicle parts mfg ...	2	33	18	2 106	67 997	1 403	2 879	39 596	178 676	201 494	382 213	D
33639	Other motor vehicle parts mfg.....	1	10	6	823	28 478	558	1 171	17 227	91 789	115 061	206 041	19 244
336399	All other motor vehicle parts mfg.....	1	10	6	823	28 478	558	1 171	17 227	91 789	115 061	206 041	19 244
337	Furniture & related product mfg.....	1	69	13	1 038	35 183	763	1 529	18 557	85 293	65 625	152 381	8 008
3372	Office furniture (including fixtures) mfg.....	-	19	10	568	18 371	445	865	10 758	41 971	33 844	77 261	6 454
33721	Office furniture (including fixtures) mfg.....	-	19	10	568	18 371	445	865	10 758	41 971	33 844	77 261	6 454
339	Miscellaneous mfg.....	1	124	25	2 072	71 187	1 382	2 764	33 498	158 128	110 397	262 885	8 572
3391	Medical equipment & supplies mfg.....	3	53	7	647	19 594	433	804	10 417	50 805	23 156	75 027	1 572
33911	Medical equipment & supplies mfg.....	3	53	7	647	19 594	433	804	10 417	50 805	23 156	75 027	1 572
3399	Other miscellaneous mfg ..	-	71	18	1 425	51 593	949	1 960	23 081	107 323	87 241	187 858	7 000
33995	Sign mfg.....	1	26	5	548	26 154	306	659	8 614	51 859	44 675	89 977	4 161
339950	Sign mfg.....	1	26	5	548	26 154	306	659	8 614	51 859	44 675	89 977	4 161
33999	All other miscellaneous mfg.....	-	28	10	745	21 189	547	1 121	11 803	41 065	31 142	72 423	1 832
	EDGAR COUNTY, IL												
31-33	Manufacturing	2	27	11	1 539	36 915	1 229	2 600	24 850	100 573	162 880	248 682	9 594
326	Plastics & rubber products mfg.....	1	7	6	892	19 680	750	1 594	13 221	52 453	65 553	118 571	5 157
3261	Plastics product mfg.....	-	6	5	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
EDWARDS COUNTY, IL													
31-33	Manufacturing	-	8	4	g	D	D	D	D	D	D	D	D
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
33639	Other motor vehicle parts mfg	-	2	2	g	D	D	D	D	D	D	D	D
336399	All other motor vehicle parts mfg	-	2	2	g	D	D	D	D	D	D	D	D
EFFINGHAM COUNTY, IL													
31-33	Manufacturing	1	59	27	5 660	148 718	4 827	9 785	111 345	379 286	605 043	978 666	34 470
321	Wood product mfg	-	8	3	574	12 296	464	826	8 177	28 664	42 197	70 276	D
323	Printing & related support activities.....	2	9	5	2 591	76 829	2 269	5 047	59 797	161 732	153 363	311 140	20 673
3231	Printing & related support activities.....	2	9	5	2 591	76 829	2 269	5 047	59 797	161 732	153 363	311 140	20 673
32311	Printing	2	8	4	h	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	2	8	4	h	D	D	D	D	D	D	D	D
333	Machinery mfg	-	5	3	g	D	D	D	D	D	D	D	3 708
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	-	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	-	1	1	g	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refrig equip mfg	-	1	1	g	D	D	D	D	D	D	D	D
FAYETTE COUNTY, IL													
31-33	Manufacturing	-	22	8	1 529	37 836	1 384	2 790	32 298	148 166	128 397	277 893	9 944
326	Plastics & rubber products mfg	-	1	1	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
32616	Plastics bottle mfg	-	1	1	f	D	D	D	D	D	D	D	D
326160	Plastics bottle mfg	-	1	1	f	D	D	D	D	D	D	D	D
FORD COUNTY, IL													
31-33	Manufacturing	1	22	9	951	23 697	756	1 433	16 849	89 684	231 970	322 448	4 994
FRANKLIN COUNTY, IL													
31-33	Manufacturing	-	43	12	1 632	36 553	1 329	2 184	24 910	85 651	148 293	233 731	4 854
336	Transportation equipment mfg	-	8	6	1 259	27 738	1 042	1 731	19 302	64 809	115 744	180 996	3 090
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
336612	Boat building.....	-	4	3	g	D	D	D	D	D	D	D	D
GRUNDY COUNTY, IL													
31-33	Manufacturing	-	33	14	2 015	87 799	1 469	3 251	59 812	384 548	488 489	875 423	21 914
325	Chemical mfg	-	5	5	914	55 607	598	1 512	37 646	304 695	405 893	711 695	19 702
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	-	3	3	f	D	D	D	D	D	D	D	D
32521	Resin & synthetic rubber mfg	-	3	3	f	D	D	D	D	D	D	D	D
325211	Plastics material & resin mfg	-	3	3	f	D	D	D	D	D	D	D	D
HANCOCK COUNTY, IL													
31-33	Manufacturing	-	28	6	1 862	42 515	1 287	2 174	23 174	120 380	73 949	193 236	8 505
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
33632	Motor vehicle electrical & electronic equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
HENRY COUNTY, IL													
31-33	Manufacturing	-	53	17	4 019	124 262	3 222	6 721	95 254	210 045	1 082 785	1 288 006	6 438
311	Food mfg	-	9	3	g	D	D	D	D	D	D	D	D
3116	Meat product mfg	-	4	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	-	4	2	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	-	4	2	g	D	D	D	D	D	D	D	D
333	Machinery mfg	-	7	3	f	D	D	D	D	D	D	D	D
IROQUOIS COUNTY, IL													
31-33	Manufacturing	-	30	14	1 723	43 030	1 333	2 720	27 125	108 084	192 505	296 900	7 991
JACKSON COUNTY, IL													
31-33	Manufacturing	2	35	8	1 062	29 004	846	1 657	20 805	61 606	89 876	151 818	3 774
JASPER COUNTY, IL													
31-33	Manufacturing	6	15	6	874	15 220	731	1 118	10 653	28 859	36 810	66 438	1 693
JEFFERSON COUNTY, IL													
31-33	Manufacturing	-	44	11	2 922	104 517	2 334	4 493	77 208	371 143	366 299	743 133	23 284
326	Plastics & rubber products mfg	-	2	1	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg	-	1	1	g	D	D	D	D	D	D	D	D
32621	Tire mfg	-	1	1	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
JO DAVIESS COUNTY, IL													
31-33	Manufacturing	-	33	13	1 590	46 184	1 304	2 756	32 480	158 653	156 866	312 602	18 799
332	Fabricated metal product mfg	-	4	2	f	D	D	D	D	D	D	D	D
KANE COUNTY, IL													
31-33	Manufacturing	1	877	373	40 200	1 443 793	28 591	58 159	837 613	4 360 132	3 818 818	8 226 135	300 555
311	Food mfg	1	37	15	1 935	61 716	1 367	2 709	37 763	454 119	450 468	903 998	13 924
3116	Meat product mfg	3	6	5	f	D	D	D	D	D	D	D	5 189
31161	Animal slaughtering & processing	3	6	5	f	D	D	D	D	D	D	D	5 189
311612	Meat processed from carcasses	3	4	4	f	D	D	D	D	D	D	D	D
321	Wood product mfg	-	23	8	583	19 575	432	816	11 860	41 353	60 222	101 628	1 263
322	Paper mfg	2	25	19	1 319	49 441	992	2 085	30 073	103 264	126 814	230 549	D
3222	Converted paper product mfg	2	25	19	1 319	49 441	992	2 085	30 073	103 264	126 814	230 549	D
32221	Paperboard container mfg	2	14	13	927	34 875	705	1 464	20 810	77 537	88 621	166 701	D
322211	Corrugated & solid fiber box mfg	1	10	9	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	-	89	22	1 991	67 005	1 544	3 068	42 085	155 271	91 820	246 517	15 924
3231	Printing & related support activities	-	89	22	1 991	67 005	1 544	3 068	42 085	155 271	91 820	246 517	15 924
32311	Printing	-	77	18	1 482	50 771	1 108	2 133	30 557	124 866	85 774	210 378	D
323110	Commercial lithographic printing ..	-	33	10	929	33 763	750	1 495	22 145	64 042	40 739	104 090	5 582
32312	Support activities for printing	-	12	4	509	16 234	436	935	11 528	30 405	6 046	36 139	D
325	Chemical mfg	-	47	23	2 194	94 447	1 326	2 741	44 964	448 806	384 047	833 196	23 748
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	10	5	784	33 753	522	1 153	20 992	254 167	103 463	359 708	8 883
32561	Soap & cleaning compound mfg	-	8	4	f	D	D	D	D	D	D	D	D
3259	Other chemical product mfg	1	15	7	537	18 214	392	794	9 946	51 892	73 932	123 373	3 450

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	KANE COUNTY, IL— Con. Manufacturing— Con.												
326	Plastics & rubber products mfg	-	88	58	6 392	180 145	5 279	10 718	119 833	406 673	412 164	816 582	45 915
3261	Plastics product mfg	1	84	56	i	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg ..	-	8	5	700	21 267	493	1 078	14 625	47 027	101 701	145 171	9 529
32619	Other plastics product mfg	1	60	44	4 788	129 434	4 029	8 041	84 085	290 817	194 984	485 170	31 036
326199	All other plastics product mfg	1	60	44	4 788	129 434	4 029	8 041	84 085	290 817	194 984	485 170	31 036
327	Nonmetallic mineral product mfg	2	34	18	1 075	35 433	814	1 758	24 783	94 888	87 338	182 135	6 367
3273	Cement & concrete product mfg	2	21	11	546	21 867	425	986	16 110	62 799	58 864	121 829	5 575
331	Primary metal mfg	-	15	8	821	28 025	652	1 572	18 800	69 131	71 866	138 544	D
3315	Foundries	-	11	5	588	19 881	465	1 117	13 935	51 141	34 528	84 464	D
33152	Nonferrous metal foundries	-	9	5	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	178	70	6 637	233 917	5 027	10 530	152 784	507 956	386 169	903 590	71 863
3321	Forging & stamping	-	23	13	1 606	58 867	1 229	2 706	38 918	113 627	65 206	177 767	9 188
33211	Forging & stamping	-	23	13	1 606	58 867	1 229	2 706	38 918	113 627	65 206	177 767	9 188
332116	Metal stamping	-	18	10	558	19 926	398	860	11 222	41 908	27 952	69 610	1 898
332117	Powder metallurgy part mfg	-	2	1	f	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	1	19	9	528	16 560	404	815	10 257	29 873	38 198	68 389	2 088
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1	83	26	2 324	79 365	1 733	3 702	53 285	168 329	103 785	275 295	16 575
33271	Machine shops	1	57	12	895	32 116	698	1 367	22 212	68 158	46 284	114 567	6 984
332710	Machine shops	1	57	12	895	32 116	698	1 367	22 212	68 158	46 284	114 567	6 984
33272	Turned product & screw, nut, & bolt mfg	1	26	14	1 429	47 249	1 035	2 335	31 073	100 171	57 501	160 728	9 591
332721	Precision turned product mfg	-	18	10	1 138	34 776	854	1 945	23 986	79 676	36 102	116 269	8 372
3329	Other fabricated metal product mfg	-	23	11	1 338	55 125	1 021	2 032	35 707	137 114	114 507	258 749	16 403
33299	All other fabricated metal product mfg	-	14	5	917	32 850	744	1 452	25 804	81 917	82 369	168 037	11 846
332991	Ball & roller bearing mfg	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	108	40	6 355	302 238	4 010	8 258	172 908	1 143 899	962 006	2 156 371	52 598
3331	Agriculture, construction, & mining machinery mfg	-	7	4	h	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	-	5	3	h	D	D	D	D	D	D	D	D
333120	Construction machinery mfg	-	5	3	h	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	5	3	3	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg ..	5	3	3	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg	-	55	15	960	42 050	721	1 502	30 088	77 561	32 992	111 340	8 850
33351	Metalworking machinery mfg	-	55	15	960	42 050	721	1 502	30 088	77 561	32 992	111 340	8 850
333511	Industrial mold mfg	-	28	8	501	26 598	391	900	19 772	46 457	17 999	64 709	5 280
3336	Engine, turbine, & power transmission equipment mfg	-	5	3	568	21 298	309	683	9 081	41 562	59 289	100 947	D
33361	Engine, turbine, & power transmission equipment mfg	-	5	3	568	21 298	309	683	9 081	41 562	59 289	100 947	D
3339	Other general-purpose machinery mfg	-	22	8	763	26 366	418	651	11 823	47 701	70 042	117 517	2 422

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	KANE COUNTY, IL— Con.												
31-33	Manufacturing— Con.												
334	Computer & electronic product mfg	-	47	25	3 690	112 998	2 474	4 486	54 332	335 957	229 385	554 886	23 666
3342	Communications equipment mfg	-	5	2	g	D	D	D	D	D	D	D	D
33429	Other communications equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
334290	Other communications equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	-	23	15	g	D	D	D	D	D	D	D	10 946
33441	Semiconductor & other electronic component mfg	-	23	15	g	D	D	D	D	D	D	D	10 946
334419	Other electronic component mfg	-	15	7	975	31 200	702	1 240	16 267	154 860	81 769	224 777	6 980
3345	Navigational, measuring, medical, & control instruments mfg	4	12	5	f	D	D	D	D	D	D	D	2 974
33451	Navigational, measuring, medical, & control instruments mfg	4	12	5	f	D	D	D	D	D	D	D	2 974
335	Electrical equipment, appliance, & component mfg	1	29	18	2 682	94 976	1 630	3 400	41 556	207 737	199 508	410 422	9 080
3353	Electrical equipment mfg ..	-	19	11	1 142	40 433	708	1 342	14 899	69 684	49 420	117 506	4 059
33531	Electrical equipment mfg	-	19	11	1 142	40 433	708	1 342	14 899	69 684	49 420	117 506	4 059
335314	Relay & industrial control mfg	-	13	7	906	34 008	548	1 039	11 683	57 140	35 462	91 039	D
3359	Other electrical equipment & component mfg	-	5	5	g	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg	-	1	1	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment & component mfg	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	21	10	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	2	53	13	1 702	68 754	1 206	2 479	42 104	182 176	137 100	320 910	6 883
3372	Office furniture (including fixtures) mfg	2	17	10	1 210	55 157	794	1 670	31 593	140 467	101 359	243 831	6 217
33721	Office furniture (including fixtures) mfg	2	17	10	1 210	55 157	794	1 670	31 593	140 467	101 359	243 831	6 217
337215	Showcase, partition, shelving, & locker mfg	1	8	5	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	1	56	17	1 121	42 794	650	1 281	15 026	81 934	59 841	139 421	11 026
3399	Other miscellaneous mfg ..	1	32	11	881	34 248	488	970	11 125	61 361	48 650	107 807	10 189
	KANKAKEE COUNTY, IL												
31-33	Manufacturing	-	116	51	6 937	263 752	4 879	11 000	159 588	914 868	1 358 260	2 253 237	132 518
311	Food mfg	-	14	7	1 106	42 417	853	2 145	29 303	109 137	246 096	356 084	18 000
325	Chemical mfg	-	13	11	2 078	98 772	1 149	2 430	40 614	361 813	586 119	919 720	51 800
3254	Pharmaceutical & medicine mfg	-	3	3	g	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	3	3	g	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) mfg	-	2	2	f	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg	1	5	5	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	12	7	914	37 064	780	1 791	31 694	148 280	140 625	291 081	10 972
3261	Plastics product mfg	-	11	7	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	6	4	699	29 615	613	1 395	26 474	115 655	94 369	212 087	9 406
331	Primary metal mfg	-	2	2	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
KENDALL COUNTY, IL													
31-33	Manufacturing	-	66	16	2 303	69 489	1 800	3 484	39 169	229 023	136 959	369 604	11 303
311	Food mfg	-	6	3	602	22 146	433	842	11 173	79 072	54 315	135 323	D
326	Plastics & rubber products mfg	-	8	3	881	22 683	749	1 489	14 871	94 923	39 529	136 099	7 478
3261	Plastics product mfg	-	6	3	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	5	3	f	D	D	D	D	D	D	D	7 308
326199	All other plastics product mfg	-	5	3	f	D	D	D	D	D	D	D	7 308
KNOX COUNTY, IL													
31-33	Manufacturing	-	56	25	5 528	165 036	4 477	8 147	119 848	370 709	668 369	1 058 842	23 054
326	Plastics & rubber products mfg	-	6	4	693	20 430	531	1 126	15 959	76 066	104 520	197 005	4 976
332	Fabricated metal product mfg	-	9	3	g	D	D	D	D	D	D	D	3 114
3323	Architectural & structural metals mfg	-	3	1	f	D	D	D	D	D	D	D	D
33231	Plate work & fabricated structural product mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
332311	Prefabricated metal building & component 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
LAKE COUNTY, IL													
31-33	Manufacturing	-	969	310	62 535	2 660 241	37 779	75 141	1 163 125	7 361 372	6 407 199	13 686 182	956 500
311	Food mfg	1	48	13	1 459	39 485	1 055	2 162	25 028	142 490	187 689	327 606	D
314	Textile product mills	-	27	6	715	17 979	581	1 313	12 206	26 643	47 688	76 315	D
322	Paper mfg	-	17	13	1 664	64 623	1 250	2 609	41 534	136 997	143 403	281 379	D
3222	Converted paper product mfg	-	17	13	1 664	64 623	1 250	2 609	41 534	136 997	143 403	281 379	D
32221	Paperboard container mfg	-	8	6	946	40 252	706	1 492	24 946	76 480	68 844	146 875	D
322212	Folding paperboard box mfg	-	4	4	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	2	117	22	1 747	67 344	1 271	2 489	37 832	129 149	99 357	228 659	9 999
3231	Printing & related support activities	2	117	22	1 747	67 344	1 271	2 489	37 832	129 149	99 357	228 659	9 999
32311	Printing	2	107	20	1 594	61 768	1 175	2 270	34 505	118 478	89 150	207 229	D
323110	Commercial lithographic printing ..	2	50	12	918	42 065	683	1 342	22 213	74 656	46 142	120 470	6 729
325	Chemical mfg	-	46	23	17 109	1 021 766	5 999	12 089	294 643	2 799 091	1 104 774	3 880 022	394 536
3251	Basic chemical mfg	1	13	7	507	24 829	236	392	8 811	124 845	117 552	239 087	D
3254	Pharmaceutical & medicine mfg	-	3	2	j	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	3	2	j	D	D	D	D	D	D	D	D
325413	In-vitro diagnostic substance mfg	-	1	1	j	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	67	31	4 736	132 016	3 743	7 579	85 611	324 789	317 026	629 692	34 742
3261	Plastics product mfg	-	62	29	4 578	127 456	3 630	7 356	83 457	295 285	305 773	589 136	D
32611	Unsupported plastics film, sheet, & bag mfg ..	-	8	6	887	29 918	640	1 423	19 038	68 085	84 405	149 860	D
326111	Unsupported plastics bag mfg	-	3	3	567	17 542	427	957	11 301	42 864	45 047	85 975	D
32619	Other plastics product mfg	-	46	20	3 488	91 341	2 841	5 633	60 335	211 816	205 078	407 602	24 945
326199	All other plastics product mfg	-	46	20	3 488	91 341	2 841	5 633	60 335	211 816	205 078	407 602	24 945
327	Nonmetallic mineral product mfg	3	28	12	1 768	43 618	1 457	2 497	28 766	112 762	97 848	212 416	10 809
3271	Clay product & refractory mfg	6	4	3	1 157	20 030	974	1 509	12 632	27 968	33 647	64 215	D
32711	Pottery, ceramics, & plumbing fixture mfg ...	7	3	3	g	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, & other pottery product mfg ..	9	2	2	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	LAKE COUNTY, IL— Con. Manufacturing— Con.												
331	Primary metal mfg	-	19	8	1 191	36 804	924	2 071	23 815	118 908	284 231	404 452	D
3314	Nonferrous metal (except aluminum) production & processing	-	5	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	160	47	4 779	164 027	3 566	7 283	101 486	403 031	329 392	726 558	22 751
3321	Forging & stamping	-	12	6	1 166	38 326	904	1 838	28 345	116 254	115 861	226 787	6 141
33211	Forging & stamping	-	12	6	1 166	38 326	904	1 838	28 345	116 254	115 861	226 787	6 141
332116	Metal stamping	-	8	5	1 032	34 456	803	1 632	25 837	106 850	105 762	207 234	5 590
3322	Cutlery & handtool mfg	-	7	3	553	15 268	453	863	10 495	44 974	31 427	73 830	D
33221	Cutlery & handtool mfg	-	7	3	553	15 268	453	863	10 495	44 974	31 427	73 830	D
3323	Architectural & structural metals mfg	1	30	10	578	21 903	370	858	12 031	47 558	35 354	82 191	2 892
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	65	15	1 158	41 935	889	1 806	27 003	83 478	59 414	143 961	5 692
33271	Machine shops	1	54	9	600	21 448	450	900	14 074	43 452	20 058	63 490	2 987
332710	Machine shops	1	54	9	600	21 448	450	900	14 074	43 452	20 058	63 490	2 987
33272	Turned product & screw, nut, & bolt mfg	3	11	6	558	20 487	439	906	12 929	40 026	39 356	80 471	2 705
3329	Other fabricated metal product mfg	-	17	6	606	23 771	424	849	12 728	60 664	54 096	116 254	2 989
333	Machinery mfg	1	147	51	5 141	197 899	3 500	6 744	108 656	432 283	420 196	884 266	27 869
3332	Industrial machinery mfg	1	30	10	679	27 352	333	585	9 608	61 970	85 927	152 737	D
33329	Other industrial machinery mfg	1	26	9	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg	1	64	13	1 444	63 947	985	2 172	37 268	166 323	83 018	278 744	9 219
33351	Metalworking machinery mfg	1	64	13	1 444	63 947	985	2 172	37 268	166 323	83 018	278 744	9 219
333518	Other metalworking machinery mfg	1	7	6	726	35 157	456	1 079	19 083	99 157	59 240	190 079	2 394
3336	Engine, turbine, & power transmission equipment mfg	-	5	3	f	D	D	D	D	D	D	D	2 818
33361	Engine, turbine, & power transmission equipment mfg	-	5	3	f	D	D	D	D	D	D	D	2 818
333618	Other engine equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	1	29	15	1 163	45 625	755	1 404	23 800	70 952	84 895	156 022	5 499
33399	All other general-purpose machinery mfg	1	23	12	1 067	41 465	675	1 238	21 354	63 788	75 068	138 940	D
333993	Packaging machinery mfg	-	7	4	636	28 267	360	729	13 439	44 197	35 585	79 203	3 325
334	Computer & electronic product mfg	-	60	26	12 345	521 517	7 814	15 745	211 343	2 058 341	2 690 849	4 674 491	D
3341	Computer & peripheral equipment mfg	-	8	1	f	D	D	D	D	D	D	D	D
33411	Computer & peripheral equipment mfg	-	8	1	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment mfg	-	4	1	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	7	4	i	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	4	2	i	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	4	2	i	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	3	19	8	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	3	19	8	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	25	12	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	25	12	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	LAKE COUNTY, IL—Con.												
31-33	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg	—	29	17	3 599	113 539	2 285	4 241	52 464	284 460	259 124	540 012	20 287
3353	Electrical equipment mfg ..	1	11	6	997	36 600	579	1 132	13 380	106 981	118 524	218 511	D
33531	Electrical equipment mfg	1	11	6	997	36 600	579	1 132	13 380	106 981	118 524	218 511	D
335311	Power, distribution, & specialty transformer mfg	—	3	3	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg	—	14	7	2 248	67 594	1 476	2 626	34 766	149 806	106 474	258 411	D
33593	Wiring device mfg	—	7	4	1 922	57 064	1 215	2 045	28 046	115 346	65 893	183 441	13 367
335931	Current-carrying wiring device mfg	—	5	4	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	18	6	540	17 396	408	890	9 882	35 333	35 247	70 135	D
337	Furniture & related product mfg	2	46	8	507	14 201	336	638	7 632	29 791	28 176	58 168	D
339	Miscellaneous mfg	4	96	22	4 801	195 168	3 219	5 990	112 586	291 989	314 306	609 096	20 040
3391	Medical equipment & supplies mfg	4	40	8	3 284	162 290	1 996	3 885	93 271	235 220	262 532	499 189	17 282
33911	Medical equipment & supplies mfg	4	40	8	3 284	162 290	1 996	3 885	93 271	235 220	262 532	499 189	17 282
339112	Surgical & medical instrument mfg	7	8	4	2 130	129 477	1 294	2 581	77 880	175 875	87 801	262 513	D
339113	Surgical appliance & supplies mfg	—	4	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	4	56	14	1 517	32 878	1 223	2 105	19 315	56 769	51 774	109 907	2 758
33999	All other miscellaneous mfg	9	15	2	f	D	D	D	D	D	D	D	D
339999	All other miscellaneous mfg	9	11	2	f	D	D	D	D	D	D	D	D
	LA SALLE COUNTY, IL												
31-33	Manufacturing	—	152	65	6 752	232 101	5 272	10 840	163 602	789 893	947 757	1 732 568	86 132
311	Food mfg	—	11	5	528	13 442	457	887	10 129	49 810	99 702	146 214	3 507
323	Printing & related support activities	—	12	3	563	15 422	471	842	12 496	37 381	23 901	61 135	D
3231	Printing & related support activities	—	12	3	563	15 422	471	842	12 496	37 381	23 901	61 135	D
325	Chemical mfg	—	10	6	806	40 667	606	1 272	28 814	236 813	406 153	640 333	49 905
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	—	2	2	f	D	D	D	D	D	D	D	D
32521	Resin & synthetic rubber mfg	—	2	2	f	D	D	D	D	D	D	D	D
325211	Plastics material & resin mfg	—	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	2	8	6	615	16 560	499	1 021	11 925	40 691	31 877	72 432	3 081
327	Nonmetallic mineral product mfg	—	17	11	1 086	47 170	880	1 849	34 396	203 653	104 100	306 239	7 267
3272	Glass & glass product mfg ..	—	4	3	f	D	D	D	D	D	D	D	D
32721	Glass & glass product mfg	—	4	3	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	35	10	802	26 399	618	1 259	18 187	60 962	62 549	122 756	7 420
333	Machinery mfg	—	18	6	724	26 310	485	1 160	15 843	46 686	45 157	94 311	5 110
336	Transportation equipment mfg	3	6	5	736	19 646	615	1 335	15 082	50 181	85 759	138 924	1 960
3363	Motor vehicle parts mfg ...	3	4	3	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
LEE COUNTY, IL													
31-33	Manufacturing	—	35	21	3 798	115 286	2 798	5 901	71 809	404 941	325 393	739 386	18 170
311	Food mfg	3	8	6	865	22 767	668	1 571	13 968	73 309	88 748	162 523	5 202
3119	Other food mfg	3	4	4	738	18 885	558	1 269	10 958	64 109	70 718	135 443	4 838
332	Fabricated metal product mfg	—	6	5	1 361	44 155	877	2 234	25 939	132 007	80 238	214 344	4 722
3323	Architectural & structural metals mfg	—	1	1	f	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	—	1	1	f	D	D	D	D	D	D	D	D
332321	Metal window & door mfg	—	1	1	f	D	D	D	D	D	D	D	D
LIVINGSTON COUNTY, IL													
31-33	Manufacturing	—	51	22	4 573	170 480	3 580	7 124	121 088	537 061	516 618	1 055 810	49 220
323	Printing & related support activities	—	6	4	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities	—	6	4	g	D	D	D	D	D	D	D	D
32311	Printing	—	5	3	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	—	5	3	g	D	D	D	D	D	D	D	D
333	Machinery mfg	—	5	4	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg	—	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	—	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg	—	1	1	f	D	D	D	D	D	D	D	D
LOGAN COUNTY, IL													
31-33	Manufacturing	—	24	6	1 401	44 889	1 164	2 360	33 756	170 602	145 238	318 179	12 515
335	Electrical equipment, appliance, & component mfg	—	2	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
MCDONOUGH COUNTY, IL													
31-33	Manufacturing	2	30	14	1 956	61 229	1 615	3 281	48 018	140 193	116 084	255 851	13 700
332	Fabricated metal product mfg	—	6	3	970	31 299	820	1 638	25 015	63 018	44 160	106 970	4 615
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
332991	Ball & roller bearing mfg	—	1	1	f	D	D	D	D	D	D	D	D
MCHENRY COUNTY, IL													
31-33	Manufacturing	1	583	212	22 949	760 437	16 601	35 263	458 709	1 966 527	1 955 362	3 930 437	158 077
311	Food mfg	6	13	6	g	D	D	D	D	D	D	D	11 116
3114	Fruit & vegetable preserving & specialty food mfg	—	1	1	f	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	—	1	1	f	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	—	1	1	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	—	59	17	1 860	63 058	1 356	2 734	39 778	151 625	83 702	234 988	20 764
3231	Printing & related support activities	—	59	17	1 860	63 058	1 356	2 734	39 778	151 625	83 702	234 988	20 764
32311	Printing	—	52	14	1 485	50 256	1 043	2 090	30 772	124 963	77 267	201 546	D

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

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	MCHEMRY COUNTY, IL—Con.												
	Manufacturing—Con.												
325	Chemical mfg	3	19	11	1 057	34 531	693	1 167	18 733	198 826	213 785	408 683	D
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	4	3	3	533	18 894	350	694	10 707	113 234	117 713	230 437	D
32521	Resin & synthetic rubber mfg	4	3	3	533	18 894	350	694	10 707	113 234	117 713	230 437	D
325211	Plastics material & resin mfg	4	3	3	533	18 894	350	694	10 707	113 234	117 713	230 437	D
326	Plastics & rubber products mfg	1	58	31	3 473	107 888	2 499	4 725	60 950	267 521	246 068	513 897	29 080
3261	Plastics product mfg	1	54	30	3 439	107 069	2 471	4 663	60 237	264 887	244 009	509 429	29 032
32619	Other plastics product mfg	1	42	25	3 159	96 937	2 274	4 304	54 721	239 162	214 195	453 983	25 556
326199	All other plastics product mfg	1	42	25	3 159	96 937	2 274	4 304	54 721	239 162	214 195	453 983	25 556
331	Primary metal mfg	—	12	7	983	36 101	760	1 672	23 971	107 728	103 415	199 817	6 684
3312	Steel product mfg from purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
33122	Rolling & drawing of purchased steel	—	2	2	f	D	D	D	D	D	D	D	D
331222	Steel wire drawing	—	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	124	37	3 335	125 556	2 596	5 548	89 443	312 520	204 217	515 729	22 586
3321	Forging & stamping	—	16	9	836	39 417	665	1 683	30 067	110 110	83 974	192 600	10 003
33211	Forging & stamping	—	16	9	836	39 417	665	1 683	30 067	110 110	83 974	192 600	10 003
3327	Machine shops, turned product, & screw, nut, & bolt mfg	—	63	14	1 050	34 926	784	1 598	23 836	66 470	33 881	100 155	D
33271	Machine shops	—	47	9	760	25 426	557	1 149	17 013	47 537	23 468	70 996	3 260
332710	Machine shops	—	47	9	760	25 426	557	1 149	17 013	47 537	23 468	70 996	3 260
3329	Other fabricated metal product mfg	—	7	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	—	5	1	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	—	4	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	—	123	35	4 419	158 269	3 172	7 096	95 309	261 700	399 079	675 376	22 838
3332	Industrial machinery mfg ..	—	16	3	723	26 437	472	830	13 434	23 006	58 966	87 459	4 505
33329	Other industrial machinery mfg	—	9	3	f	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg	—	5	2	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg	—	60	13	1 671	59 196	1 320	3 170	42 795	92 666	54 828	145 827	D
33351	Metalworking machinery mfg	—	60	13	1 671	59 196	1 320	3 170	42 795	92 666	54 828	145 827	D
333515	Cutting tool & machine tool accessory mfg ..	—	11	3	1 104	33 714	882	2 235	25 040	54 547	40 244	93 729	2 872
3339	Other general-purpose machinery mfg	—	23	7	946	35 262	623	1 373	19 035	70 894	198 527	275 815	6 713
33392	Material handling equipment mfg	—	4	2	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	—	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	—	41	21	3 230	103 808	1 859	4 391	42 242	290 498	188 105	484 552	D
3344	Semiconductor & other electronic component mfg	—	22	15	g	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	—	22	15	g	D	D	D	D	D	D	D	D
334416	Electronic coil, transformer, & other inductor mfg	—	9	7	594	15 836	437	876	7 468	32 147	27 492	59 677	D
334419	Other electronic component mfg	—	7	5	520	19 653	357	785	10 013	49 589	24 036	74 012	D
3345	Navigational, measuring, medical, & control instruments mfg	—	12	4	g	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	—	12	4	g	D	D	D	D	D	D	D	D
334518	Watch, clock, & part mfg	—	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	1	22	13	937	28 691	636	1 203	14 595	72 943	70 612	144 698	2 910

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MCHEMRY COUNTY, IL													
—Con.													
31-33	Manufacturing—												
	Con.												
336	Transportation equipment mfg	—	7	4	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	7	4	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	3	34	11	631	15 491	520	979	10 267	36 328	30 749	67 275	1 484
3399	Other miscellaneous mfg ..	3	23	10	542	13 248	459	861	9 073	31 962	28 555	60 611	1 241
MCLEAN COUNTY, IL													
31-33	Manufacturing	—	112	38	8 388	357 729	6 751	12 986	276 349	975 020	2 882 082	3 870 266	84 896
311	Food mfg	—	16	7	715	20 682	518	1 102	15 076	50 900	198 267	247 030	4 980
323	Printing & related support activities	2	18	6	627	22 296	461	969	13 137	48 129	27 938	74 261	8 529
3231	Printing & related support activities	2	18	6	627	22 296	461	969	13 137	48 129	27 938	74 261	8 529
32311	Printing	2	16	6	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	—	3	2	f	D	D	D	D	D	D	D	D
3352	Household appliance mfg..	—	1	1	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
335212	Household vacuum cleaner mfg	—	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	7	2	h	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg	—	1	1	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	—	1	1	h	D	D	D	D	D	D	D	D
336111	Automobile mfg	—	1	1	h	D	D	D	D	D	D	D	D
MACON COUNTY, IL													
31-33	Manufacturing	—	134	45	11 616	479 406	8 240	16 177	319 733	2 182 892	3 833 751	6 114 166	193 557
311	Food mfg	—	15	10	1 741	70 315	1 189	2 805	45 239	982 377	1 768 306	2 740 081	119 629
3112	Grain & oilseed milling	—	7	6	g	D	D	D	D	D	D	D	D
31122	Starch & vegetable fats & oils mfg	—	6	5	g	D	D	D	D	D	D	D	D
311221	Wet corn milling	—	2	2	f	D	D	D	D	D	D	D	D
311222	Soybean processing ..	—	3	2	f	D	D	D	D	D	D	D	D
325	Chemical mfg	—	10	5	658	26 365	455	1 015	14 998	345 284	290 645	625 450	17 111
326	Plastics & rubber products mfg	—	3	2	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg	—	2	1	g	D	D	D	D	D	D	D	D
32621	Tire mfg	—	1	1	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
327	Nonmetallic mineral product mfg	—	6	3	f	D	D	D	D	D	D	D	2 077
331	Primary metal mfg	—	2	2	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	—	38	10	1 371	40 148	799	1 758	29 319	61 742	66 506	127 566	3 972
3329	Other fabricated metal product mfg	—	6	4	919	25 891	478	1 117	20 177	33 557	33 653	67 690	2 385
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	—	12	4	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg	—	2	2	h	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	—	1	1	h	D	D	D	D	D	D	D	D
333120	Construction machinery mfg	—	1	1	h	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
33639	Other motor vehicle parts mfg	—	2	2	f	D	D	D	D	D	D	D	D
336391	Motor vehicle air-conditioning mfg	—	2	2	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	MACOUPIN COUNTY, IL												
31-33	Manufacturing	-	35	8	697	18 895	515	1 039	12 282	65 403	91 967	156 521	2 985
	MADISON COUNTY, IL												
31-33	Manufacturing	-	224	71	19 074	743 827	14 679	31 709	520 998	2 799 810	4 904 915	7 676 517	218 080
324	Petroleum & coal products mfg	-	5	4	g	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg	-	5	4	g	D	D	D	D	D	D	D	D
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
327	Nonmetallic mineral product mfg	1	19	8	547	15 728	427	950	11 503	33 719	46 101	80 248	D
331	Primary metal mfg	-	8	8	7 474	325 230	6 148	13 061	249 339	1 030 623	1 307 810	2 338 189	D
3311	Iron & steel mills & ferroalloy mfg	-	2	2	h	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	-	2	2	h	D	D	D	D	D	D	D	D
331111	Iron & steel mills	-	2	2	h	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing	-	3	3	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, & alloying ...	-	2	2	g	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, & extruding .	-	1	1	g	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
331513	Steel foundries (except investment)	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	38	15	3 688	133 450	2 810	5 968	89 323	360 664	223 092	572 750	16 017
3323	Architectural & structural metals mfg	-	4	2	g	D	D	D	D	D	D	D	D
33231	Plate work & fabricated structural product mfg ..	-	3	2	g	D	D	D	D	D	D	D	D
332312	Fabricated structural metal mfg	-	3	2	g	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg	-	6	5	g	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	-	6	5	g	D	D	D	D	D	D	D	D
332992	Small arms ammunition mfg	-	1	1	g	D	D	D	D	D	D	D	D
333	Machinery mfg	-	14	6	f	D	D	D	D	D	D	D	D
3332	Industrial machinery mfg ..	-	2	1	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	-	2	1	f	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg	-	2	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	1	5	3	g	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	1	3	3	g	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	1	3	3	g	D	D	D	D	D	D	D	D
335314	Relay & industrial control mfg	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	1	8	5	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
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

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MARION COUNTY, IL													
31-33	Manufacturing	-	65	29	5 220	152 559	4 267	8 269	113 486	440 037	327 573	768 283	30 239
323	Printing & related support activities.....	-	6	1	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	-	6	1	f	D	D	D	D	D	D	D	D
32311	Printing	-	6	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	2	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	5	4	1 383	41 284	1 242	2 272	34 730	119 873	77 710	198 166	6 869
3261	Plastics product mfg	-	5	4	1 383	41 284	1 242	2 272	34 730	119 873	77 710	198 166	6 869
32619	Other plastics product mfg	-	3	3	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	3	3	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	4	3	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
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
MARSHALL COUNTY, IL													
31-33	Manufacturing	2	18	11	921	28 250	763	1 518	19 881	95 467	85 322	179 631	6 881
MASSAC COUNTY, IL													
31-33	Manufacturing	-	12	4	732	31 154	553	1 072	21 212	132 979	60 658	191 529	7 401
MONTGOMERY COUNTY, IL													
31-33	Manufacturing	-	37	15	1 752	48 262	1 422	2 886	35 133	117 735	173 741	300 666	11 573
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
33634	Motor vehicle brake system mfg	-	1	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system mfg	-	1	1	f	D	D	D	D	D	D	D	D
MORGAN COUNTY, IL													
31-33	Manufacturing	-	36	14	3 566	110 598	2 670	5 565	72 981	664 576	546 394	1 213 395	57 254
311	Food mfg	-	3	2	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	-	6	3	792	19 413	475	957	7 997	76 419	45 033	121 242	2 138
3231	Printing & related support activities.....	-	6	3	792	19 413	475	957	7 997	76 419	45 033	121 242	2 138
32312	Support activities for printing	-	2	2	f	D	D	D	D	D	D	D	D
323121	Tradebinding & related work	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	2	1	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	2	1	f	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg ..	-	1	1	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	f	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media ..	-	1	1	f	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	-	1	1	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
MOULTRIE COUNTY, IL													
31-33	Manufacturing	2	20	5	796	19 824	676	1 496	14 796	81 413	133 377	210 778	6 410
333	Machinery mfg	-	3	2	f	D	D	D	D	D	D	D	D

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NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
OGLE COUNTY, IL													
31-33	Manufacturing	-	70	27	5 859	166 188	4 762	9 614	118 376	424 249	591 284	1 020 481	21 932
311	Food mfg	-	6	3	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	-	1	1	g	D	D	D	D	D	D	D	D
323	Printing & related support activities	-	6	3	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities	-	6	3	f	D	D	D	D	D	D	D	D
32311	Printing	-	5	2	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing	-	1	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	16	7	1 292	45 737	857	1 661	25 597	94 636	83 056	183 758	3 643
3331	Agriculture, construction, & mining machinery mfg	-	3	3	g	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg	-	1	1	f	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	4	3	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg	-	4	3	f	D	D	D	D	D	D	D	D
PEORIA COUNTY, IL													
31-33	Manufacturing	-	177	77	14 351	610 568	9 859	19 693	383 802	2 038 732	2 339 716	4 392 743	149 733
311	Food mfg	-	14	10	710	26 312	371	752	10 791	110 305	66 807	177 095	D
323	Printing & related support activities	1	37	14	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities	1	37	14	g	D	D	D	D	D	D	D	D
32311	Printing	1	33	14	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing	-	16	10	g	D	D	D	D	D	D	D	D
325	Chemical mfg	-	9	4	f	D	D	D	D	D	D	D	51 193
326	Plastics & rubber products mfg	-	6	5	884	37 343	610	1 295	21 758	112 518	97 566	208 513	D
331	Primary metal mfg	-	6	4	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
3315	Foundries	-	4	3	g	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	-	41	18	2 008	64 015	1 383	2 778	35 808	182 655	140 543	315 647	9 857
3323	Architectural & structural metals mfg	-	12	8	973	34 952	680	1 420	18 947	78 901	69 013	147 761	D
33231	Plate work & fabricated structural product mfg	-	8	5	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	8	6	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg	-	2	2	g	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	-	2	2	g	D	D	D	D	D	D	D	D
333120	Construction machinery mfg	-	2	2	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg	-	1	1	h	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	1	1	h	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg	-	1	1	h	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PERRY COUNTY, IL													
31-33	Manufacturing	-	22	8	1 481	35 308	1 189	2 411	24 657	119 891	140 024	262 252	5 854
334	Computer & electronic product mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media.	-	1	1	f	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	-	1	1	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
PUTNAM COUNTY, IL													
31-33	Manufacturing	-	9	3	f	D	D	D	D	D	D	D	6 342
331	Primary metal mfg	-	1	1	f	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
33122	Rolling & drawing of purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
331221	Cold-rolled steel shape mfg	-	1	1	f	D	D	D	D	D	D	D	D
RANDOLPH COUNTY, IL													
31-33	Manufacturing	-	32	15	2 353	51 835	2 146	4 432	42 310	165 233	233 240	398 606	15 606
311	Food mfg	-	6	5	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	-	2	2	f	D	D	D	D	D	D	D	D
31182	Cookie, cracker, & pasta mfg	-	2	2	f	D	D	D	D	D	D	D	D
311822	Flour mixes & dough mfg from purchased flour	-	2	2	f	D	D	D	D	D	D	D	D
3119	Other food mfg	-	1	1	f	D	D	D	D	D	D	D	D
31199	All other food mfg	-	1	1	f	D	D	D	D	D	D	D	D
311999	All other miscellaneous food mfg	-	1	1	f	D	D	D	D	D	D	D	D
RICHLAND COUNTY, IL													
31-33	Manufacturing	-	34	10	1 814	37 036	1 499	2 767	24 971	101 014	125 734	218 260	4 690
336	Transportation equipment mfg	-	3	2	g	D	D	D	D	D	D	D	D
3369	Other transportation equipment mfg	-	2	2	g	D	D	D	D	D	D	D	D
33699	Other transportation equipment mfg	-	2	2	g	D	D	D	D	D	D	D	D
336991	Motorcycle, bicycle, & parts mfg	-	2	2	g	D	D	D	D	D	D	D	D
ROCK ISLAND COUNTY, IL													
31-33	Manufacturing	-	197	67	10 675	493 754	7 994	16 925	354 374	1 913 372	1 641 109	3 508 818	118 322
325	Chemical mfg	-	5	4	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	56	21	1 330	37 845	992	1 905	24 247	101 340	57 024	157 293	8 642
3327	Machine shops, turned product, & screw, nut, & bolt mfg	-	24	10	579	16 560	447	852	11 023	35 025	18 750	52 431	D
333	Machinery mfg	-	33	16	i	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg....	-	11	5	i	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg	-	10	5	i	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	-	10	5	i	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ST. CLAIR COUNTY, IL													
31-33	Manufacturing	-	198	61	7 123	249 320	5 300	10 419	159 730	602 895	1 163 528	1 763 491	44 486
311	Food mfg	-	16	7	520	13 923	381	664	8 679	50 600	115 941	166 800	D
325	Chemical mfg	-	10	7	g	D	D	D	D	D	D	D	D
3251	Basic chemical mfg	-	6	4	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	8	7	1 508	53 975	1 164	2 444	37 677	61 082	422 552	482 844	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
333	Machinery mfg	-	17	8	f	D	D	D	D	D	D	D	4 157
335	Electrical equipment, appliance, & component mfg	-	9	5	f	D	D	D	D	D	D	D	D
SANGAMON COUNTY, IL													
31-33	Manufacturing	-	134	41	h	D	D	D	D	D	D	D	22 118
333	Machinery mfg	-	12	4	g	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg	-	2	1	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	-	2	1	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	-	2	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	9	5	592	15 270	362	620	6 253	40 140	21 133	61 443	2 288
SHELBY COUNTY, IL													
31-33	Manufacturing	-	14	4	1 191	32 372	1 029	2 435	26 539	103 572	103 718	205 740	D
322	Paper mfg	-	1	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	-	1	1	f	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	-	1	1	f	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container mfg	-	1	1	f	D	D	D	D	D	D	D	D
STEPHENSON COUNTY, IL													
31-33	Manufacturing	-	62	23	8 386	300 293	5 988	12 009	194 906	646 786	550 320	1 239 228	47 744
311	Food mfg	2	12	6	952	19 411	754	1 343	13 808	52 758	134 235	188 680	5 167
3119	Other food mfg	4	3	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	6	2	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg	-	2	1	g	D	D	D	D	D	D	D	D
32621	Tire mfg	-	2	1	g	D	D	D	D	D	D	D	D
326211	Tire mfg (except retreading)	-	2	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	3	2	h	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg	-	2	1	h	D	D	D	D	D	D	D	D
33593	Wiring device mfg	-	1	1	h	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device mfg	-	1	1	h	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

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
TAZEWELL COUNTY, IL													
31-33	Manufacturing	-	118	47	7 015	311 079	4 985	10 298	195 533	1 160 688	1 348 862	2 512 880	58 419
332	Fabricated metal product mfg	1	33	16	g	D	D	D	D	D	D	D	13 487
3323	Architectural & structural metals mfg	-	6	5	f	D	D	D	D	D	D	D	8 532
33232	Ornamental & architectural metal products mfg	-	2	2	f	D	D	D	D	D	D	D	D
332322	Sheet metal work mfg	-	2	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	8	3	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg	-	2	1	h	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	-	1	1	h	D	D	D	D	D	D	D	D
333120	Construction machinery mfg	-	1	1	h	D	D	D	D	D	D	D	D
UNION COUNTY, IL													
31-33	Manufacturing	-	11	6	616	16 965	481	1 030	11 142	59 099	73 788	132 212	5 456
VERMILION COUNTY, IL													
31-33	Manufacturing	-	104	44	7 055	228 890	5 467	11 276	161 421	657 444	1 021 779	1 696 066	67 832
311	Food mfg	-	9	8	1 287	51 898	932	2 212	35 481	272 291	488 626	779 802	42 677
3112	Grain & oilseed milling	-	4	4	1 083	45 461	770	1 839	30 810	263 234	454 713	735 813	39 409
31122	Starch & vegetable fats & oils mfg	-	3	3	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal mfg	-	1	1	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	5	2	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	3	1	f	D	D	D	D	D	D	D	D
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	-	1	1	f	D	D	D	D	D	D	D	D
326121	Unsupported plastics profile shape mfg	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	2	27	9	996	32 510	802	1 673	24 643	67 271	96 071	165 661	4 702
333	Machinery mfg	-	13	7	1 501	54 427	1 214	2 534	40 662	124 127	239 218	364 163	2 083
3339	Other general-purpose machinery mfg	-	5	2	f	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	-	2	1	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	4	4	808	25 036	679	1 445	19 422	50 745	52 437	97 218	D
WABASH COUNTY, IL													
31-33	Manufacturing	1	15	4	611	20 454	466	836	13 401	40 621	15 580	55 801	2 296
WARREN COUNTY, IL													
31-33	Manufacturing	-	19	5	g	D	D	D	D	D	D	D	1 908
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
311611	Animal (except poultry) slaughtering	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
WASHINGTON COUNTY, IL													
31-33	Manufacturing	-	16	5	1 397	44 453	1 036	2 363	25 793	104 242	119 536	222 362	15 944
326	Plastics & rubber products mfg	-	1	1	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	1	1	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
WAYNE COUNTY, IL													
31-33	Manufacturing	-	20	2	g	D	D	D	D	D	D	D	D
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
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
WHITESIDE COUNTY, IL													
31-33	Manufacturing	-	102	40	7 374	245 024	6 187	12 208	179 637	547 516	820 930	1 381 776	38 388
331	Primary metal mfg	-	4	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
332	Fabricated metal product mfg	-	37	16	2 326	80 856	1 647	3 272	41 695	206 301	148 121	354 476	13 226
3325	Hardware mfg	-	4	3	g	D	D	D	D	D	D	D	D
33251	Hardware mfg	-	4	3	g	D	D	D	D	D	D	D	D
332510	Hardware mfg	-	4	3	g	D	D	D	D	D	D	D	D
333	Machinery mfg	-	11	6	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	7	4	1 227	30 456	1 126	1 758	24 739	60 963	57 327	120 030	D
3353	Electrical equipment mfg ..	-	6	3	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	-	6	3	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
33593	Wiring device mfg	-	1	1	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device mfg	-	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	5	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	-	4	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
339999	All other miscellaneous mfg	-	1	1	f	D	D	D	D	D	D	D	D

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WILL COUNTY, IL													
31-33	Manufacturing	-	527	188	24 090	988 215	16 559	33 815	557 199	3 209 338	4 406 223	7 594 716	308 511
311	Food mfg	1	27	11	1 088	38 752	840	1 806	25 040	83 862	234 200	314 453	7 090
3116	Meat product mfg	1	6	5	579	24 810	450	967	16 150	54 504	127 662	181 616	6 536
31161	Animal slaughtering & processing	1	6	5	579	24 810	450	967	16 150	54 504	127 662	181 616	6 536
322	Paper mfg	-	9	6	1 189	41 254	957	2 199	31 814	105 849	110 522	216 106	D
3222	Converted paper product mfg	-	8	5	g	D	D	D	D	D	D	D	D
32229	Other converted paper product mfg	-	3	3	f	D	D	D	D	D	D	D	D
324	Petroleum & coal products mfg	-	7	3	f	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg	-	7	3	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg	-	30	18	2 316	118 260	1 558	3 160	70 028	724 867	870 857	1 591 415	113 704
3251	Basic chemical mfg	-	10	6	842	43 932	579	1 178	24 388	236 338	166 909	414 088	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	8	6	1 032	47 758	712	1 457	29 652	341 741	364 698	704 899	36 036
32561	Soap & cleaning compound mfg	-	7	5	f	D	D	D	D	D	D	D	D
325613	Surface active agent mfg	-	3	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	37	21	2 391	77 584	1 713	3 698	46 483	254 890	240 882	496 672	28 729
3261	Plastics product mfg	1	36	21	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	2	28	15	1 816	58 987	1 299	2 809	34 929	154 463	164 017	318 926	D
326199	All other plastics product mfg	2	26	14	g	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg	1	37	13	684	28 113	542	1 099	20 232	75 539	72 306	147 542	6 272
332	Fabricated metal product mfg	1	100	27	2 587	85 442	1 886	3 709	52 647	174 409	137 263	310 830	11 144
3327	Machine shops, turned product, & screw, nut, & bolt mfg	-	50	8	932	36 020	684	1 355	22 338	62 687	49 199	111 284	6 043
33271	Machine shops	1	42	5	541	23 473	393	751	13 310	38 296	15 500	52 924	3 402
332710	Machine shops	1	42	5	541	23 473	393	751	13 310	38 296	15 500	52 924	3 402
3329	Other fabricated metal product mfg	-	10	6	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	-	10	6	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	66	28	5 649	259 563	4 160	8 252	167 084	590 466	514 986	1 107 239	26 792
3339	Other general-purpose machinery mfg	-	31	15	4 536	217 002	3 380	6 746	144 562	497 545	417 064	916 763	21 905
33399	All other general-purpose machinery mfg	-	20	11	4 150	200 514	3 156	6 343	138 564	475 001	400 501	877 466	D
333995	Fluid power cylinder & actuator mfg	-	4	4	h	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	16	9	3 227	169 484	1 300	2 811	42 149	562 079	309 385	859 995	D
3342	Communications equipment mfg	-	4	4	2 966	165 217	1 178	2 585	40 252	551 994	305 436	846 028	D
33421	Telephone apparatus mfg	-	1	1	g	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	-	1	1	g	D	D	D	D	D	D	D	D
33429	Other communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
334290	Other communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	2	18	10	723	20 319	447	678	8 594	58 046	32 689	90 623	D
3359	Other electrical equipment & component mfg	2	9	7	604	16 920	360	501	6 763	50 562	24 960	75 559	1 911
336	Transportation equipment mfg	-	14	7	922	34 885	722	1 464	23 224	98 346	64 835	164 082	7 842
3363	Motor vehicle parts mfg ...	-	7	5	724	27 901	557	1 175	18 300	86 150	51 308	138 672	7 487
337	Furniture & related product mfg	2	28	8	703	19 640	564	1 136	13 058	31 786	20 536	51 902	D
3371	Household & institutional furniture & kitchen cabinet mfg	2	23	8	669	18 506	536	1 077	12 377	29 627	18 807	48 023	D
33711	Wood kitchen cabinet & counter top mfg	1	14	5	503	14 763	394	788	9 548	24 313	13 504	37 407	D
337110	Wood kitchen cabinet & counter top mfg ...	1	14	5	503	14 763	394	788	9 548	24 313	13 504	37 407	D

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

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

NAICS code	Geographic area and industry	All establishments			All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	WILL COUNTY, IL— Con. Manufacturing— Con.												
339	Miscellaneous mfg.....	3	49	7	540	14 370	428	824	8 392	38 440	22 463	60 716	2 530
31-33	WILLIAMSON COUNTY, IL Manufacturing	2	51	12	2 551	69 179	1 720	3 107	43 762	161 683	265 481	425 061	7 571
332	Fabricated metal product mfg.....	—	11	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
3352	Household appliance mfg..	—	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance mfg....	—	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
31-33	WINNEBAGO COUNTY, IL Manufacturing	1	779	295	39 740	1 483 582	27 007	55 866	844 510	3 791 363	2 911 054	6 608 404	247 261
311	Food mfg.....	1	22	10	1 786	56 184	1 484	2 971	43 015	325 232	269 922	574 623	19 391
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.....	—	53	10	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	—	53	10	f	D	D	D	D	D	D	D	D
32311	Printing.....	—	48	10	f	D	D	D	D	D	D	D	D
325	Chemical mfg.....	—	18	9	g	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg.....	—	6	3	f	D	D	D	D	D	D	D	D
32551	Paint & coating mfg.....	—	6	3	f	D	D	D	D	D	D	D	D
325510	Paint & coating mfg....	—	6	3	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg.....	1	20	9	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg.....	1	18	9	f	D	D	D	D	D	D	D	D
327	Nonmetallic mineral product mfg.....	2	19	9	f	D	D	D	D	D	D	D	D
331	Primary metal mfg.....	—	17	13	g	D	D	D	D	D	D	D	D
3315	Foundries.....	—	11	7	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg.....	—	302	108	j	D	D	D	D	D	D	D	D
3322	Cutlery & handtool mfg....	—	13	5	f	D	D	D	D	D	D	D	D
33221	Cutlery & handtool mfg..	—	13	5	f	D	D	D	D	D	D	D	D
332212	Hand & edge tool mfg..	—	12	4	f	D	D	D	D	D	D	D	D
3325	Hardware mfg.....	2	7	4	1 891	50 510	1 464	2 398	34 473	123 498	89 334	226 529	D
33251	Hardware mfg.....	2	7	4	1 891	50 510	1 464	2 398	34 473	123 498	89 334	226 529	D
332510	Hardware mfg.....	2	7	4	1 891	50 510	1 464	2 398	34 473	123 498	89 334	226 529	D
3326	Spring & wire product mfg.	—	9	6	f	D	D	D	D	D	D	D	D
33261	Spring & wire product mfg.....	—	9	6	f	D	D	D	D	D	D	D	D
332618	Other fabricated wire product mfg.....	—	7	5	f	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	—	178	56	i	D	D	D	D	D	D	D	D
33271	Machine shops.....	—	128	25	g	D	D	D	D	D	D	D	D
332710	Machine shops.....	—	128	25	g	D	D	D	D	D	D	D	D
33272	Turned product & screw, nut, & bolt mfg.....	—	50	31	h	D	D	D	D	D	D	D	D
332721	Precision turned product mfg.....	—	25	15	779	23 724	629	1 363	17 571	82 032	26 892	109 292	6 250
332722	Bolt, nut, screw, rivet, & washer mfg.....	—	25	16	h	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, & allied activities.	1	36	12	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, & allied activities.....	1	36	12	f	D	D	D	D	D	D	D	D
3329	Other fabricated metal product mfg.....	—	21	10	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg.....	—	17	7	f	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	WINNEBAGO COUNTY, IL—Con.												
	Manufacturing—Con.												
333	Machinery mfg	1	178	80	12 047	474 173	7 856	16 590	270 711	1 062 983	828 134	1 856 790	61 522
3332	Industrial machinery mfg ..	-	19	9	g	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	-	17	7	g	D	D	D	D	D	D	D	D
333294	Food product machinery mfg	-	5	2	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	-	10	5	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	-	10	5	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	-	7	4	f	D	D	D	D	D	D	D	D
3335	Metalworking machinery mfg	3	95	36	5 331	215 280	3 313	7 529	124 136	447 961	307 676	745 416	27 404
33351	Metalworking machinery mfg	3	95	36	5 331	215 280	3 313	7 529	124 136	447 961	307 676	745 416	27 404
333512	Machine tool (metal cutting types) mfg ...	8	12	7	2 087	86 348	1 171	2 916	48 784	136 401	149 946	284 242	9 039
333514	Special die & tool, die set, jig, & fixture mfg .	-	35	9	f	D	D	D	D	D	D	D	4 047
333515	Cutting tool & machine tool accessory mfg ..	-	26	7	1 630	61 700	1 058	2 242	36 547	168 952	72 589	237 701	D
3336	Engine, turbine, & power transmission equipment mfg	-	10	10	g	D	D	D	D	D	D	D	10 221
33361	Engine, turbine, & power transmission equipment mfg	-	10	10	g	D	D	D	D	D	D	D	10 221
333613	Mechanical power transmission equipment mfg	-	4	4	1 284	49 836	908	1 826	32 090	97 285	76 936	181 490	D
3339	Other general-purpose machinery mfg	-	35	16	g	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg	-	31	15	g	D	D	D	D	D	D	D	D
333995	Fluid power cylinder & actuator mfg	-	9	4	521	19 915	356	783	10 921	42 903	27 713	71 507	D
333996	Fluid power pump & motor mfg	-	4	3	f	D	D	D	D	D	D	D	D
333999	All other miscellaneous general-purpose machinery mfg	-	8	4	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	14	4	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	1	6	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	1	6	1	f	D	D	D	D	D	D	D	D
334411	Electron tube mfg	-	2	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	5	2	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	5	2	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
335	Electrical equipment, appliance, & component mfg	-	15	7	g	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	11	5	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	-	11	5	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	25	13	i	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	-	18	9	g	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	-	6	4	h	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	-	6	4	h	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	-	5	3	h	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	37	7	f	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	WOODFORD COUNTY, IL												
31-33	Manufacturing	-	55	19	2 272	74 748	1 847	3 736	48 975	406 279	357 319	644 889	23 422
332	Fabricated metal product mfg	-	14	7	f	D	D	D	D	D	D	D	3 430
333	Machinery mfg	1	7	4	f	D	D	D	D	D	D	D	D

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

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

Table 4. Industry Statistics for Places: 1997

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ADDISON, IL												
31-33	Manufacturing	2	388	154	10 598	346 942	7 638	15 628	200 380	820 700	634 097	1 461 133	52 084
323	Printing & related support activities	2	40	14	1 104	38 616	736	1 473	20 950	78 444	70 012	148 466	3 980
3231	Printing & related support activities	2	40	14	1 104	38 616	736	1 473	20 950	78 444	70 012	148 466	3 980
32311	Printing	2	34	13	1 037	36 989	702	1 416	19 886	74 966	69 299	144 284	3 888
325	Chemical mfg	6	18	7	522	15 855	339	701	8 295	57 357	54 208	112 657	5 673
326	Plastics & rubber products mfg	2	39	24	1 782	48 111	1 423	2 941	29 087	138 390	138 745	278 508	7 743
3261	Plastics product mfg	2	36	23	1 723	46 238	1 371	2 838	27 505	132 520	136 005	270 116	7 540
32619	Other plastics product mfg	5	25	16	998	23 644	808	1 643	15 812	65 529	42 886	108 540	4 826
326199	All other plastics product mfg	5	25	16	998	23 644	808	1 643	15 812	65 529	42 886	108 540	4 826
332	Fabricated metal product mfg	1	124	41	2 517	78 436	1 964	3 943	50 874	171 067	91 339	260 669	11 348
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	43	11	620	20 518	495	1 017	14 871	41 500	18 597	59 112	3 263
3328	Coating, engraving, heat treating, & allied activities	-	22	11	587	15 190	434	789	8 639	35 187	8 373	43 757	2 249
33281	Coating, engraving, heat treating, & allied activities	-	22	11	587	15 190	434	789	8 639	35 187	8 373	43 757	2 249
333	Machinery mfg	-	67	21	1 777	75 804	1 131	2 534	42 186	149 058	122 621	276 027	9 276
3335	Metalworking machinery mfg	-	41	12	872	38 602	583	1 292	23 862	66 223	34 681	106 292	4 109
33351	Metalworking machinery mfg	-	41	12	872	38 602	583	1 292	23 862	66 223	34 681	106 292	4 109
334	Computer & electronic product mfg	1	24	17	1 032	27 426	749	1 423	14 878	66 964	43 348	111 279	2 140
3344	Semiconductor & other electronic component mfg	1	18	12	758	18 337	613	1 148	10 759	44 764	28 296	72 198	1 569
33441	Semiconductor & other electronic component mfg	1	18	12	758	18 337	613	1 148	10 759	44 764	28 296	72 198	1 569
	ALGONQUIN, IL *												
31-33	Manufacturing	-	29	12	1 104	37 281	862	1 655	25 484	66 827	47 618	114 161	5 198
332	Fabricated metal product mfg	-	6	4	601	22 997	484	1 060	16 981	44 451	36 432	80 671	2 804

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ALSIP, IL													
31-33	Manufacturing	2	105	47	4 517	174 676	3 042	6 467	95 008	480 659	517 225	1 000 993	34 649
311	Food mfg	-	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	2	30	11	864	38 798	659	1 563	25 240	78 486	114 466	193 398	6 274
333	Machinery mfg	2	16	8	694	26 735	428	874	13 880	49 188	23 786	73 868	1 982
ALTON, IL													
31-33	Manufacturing	-	31	9	1 716	66 087	1 340	2 650	48 813	76 615	282 768	358 388	D
331	Primary metal mfg	-	1	1	f	D	D	D	D	D	D	D	D
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
ANTIOCH, IL													
31-33	Manufacturing	1	37	14	967	25 335	707	1 368	14 901	57 618	52 045	111 731	3 205
ARCOLA, IL													
31-33	Manufacturing	-	7	5	1 376	33 226	1 196	2 457	24 221	117 267	74 939	212 981	4 236
337	Furniture & related product mfg	-	1	1	f	D	D	D	D	D	D	D	D
3371	Household & institutional furniture & kitchen cabinet mfg	-	1	1	f	D	D	D	D	D	D	D	D
33711	Wood kitchen cabinet & counter top mfg	-	1	1	f	D	D	D	D	D	D	D	D
337110	Wood kitchen cabinet & counter top mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
ARLINGTON HEIGHTS, IL *													
31-33	Manufacturing	-	120	37	10 976	645 576	5 238	9 873	256 618	902 885	2 174 861	3 052 864	213 870
333	Machinery mfg	-	18	6	552	27 691	370	927	15 664	44 688	29 390	76 150	3 139
334	Computer & electronic product mfg	-	9	4	i	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	3	1	i	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	3	1	i	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	3	1	i	D	D	D	D	D	D	D	D
AURORA, IL *													
31-33	Manufacturing	1	148	67	8 759	387 378	5 784	12 489	213 767	1 415 118	1 276 782	2 743 074	70 686
332	Fabricated metal product mfg	1	30	12	923	38 744	724	1 578	23 720	82 287	75 608	161 643	4 945
333	Machinery mfg	-	18	9	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg	-	2	1	h	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	-	2	1	h	D	D	D	D	D	D	D	D
333120	Construction machinery mfg	-	2	1	h	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	4	6	3	g	D	D	D	D	D	D	D	8 072
3342	Communications equipment mfg	9	1	1	f	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg	9	1	1	f	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	9	1	1	f	D	D	D	D	D	D	D	D
337	Furniture & related product mfg	4	12	6	668	27 042	431	952	15 743	66 635	49 145	116 527	3 670
3372	Office furniture (including fixtures) mfg	4	7	6	653	26 600	420	931	15 549	66 129	48 449	115 310	3 609
33721	Office furniture (including fixtures) mfg	4	7	6	653	26 600	420	931	15 549	66 129	48 449	115 310	3 609

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
BARRINGTON, IL *													
31-33	Manufacturing	-	46	12	1 007	38 026	712	1 357	19 168	84 653	145 829	229 046	8 945
BARTLETT, IL *													
31-33	Manufacturing	1	22	7	1 426	58 441	999	2 031	33 454	147 760	148 566	304 718	12 164
336	Transportation equipment mfg	-	1	1	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
33637	Motor vehicle metal stamping	-	1	1	f	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	1	1	f	D	D	D	D	D	D	D	D
BARTONVILLE, IL													
31-33	Manufacturing	-	18	8	1 861	70 312	1 459	2 837	52 392	134 327	209 091	337 787	D
331	Primary metal mfg	-	2	1	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
BATAVIA, IL *													
31-33	Manufacturing	1	104	37	4 283	139 564	3 047	5 959	76 142	389 952	333 617	718 723	31 826
326	Plastics & rubber products mfg	-	12	10	1 321	36 248	1 096	2 220	24 990	113 623	80 496	191 406	16 421
3261	Plastics product mfg	-	12	10	1 321	36 248	1 096	2 220	24 990	113 623	80 496	191 406	16 421
32619	Other plastics product mfg	-	7	6	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	7	6	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	3	3	685	27 694	434	854	9 644	41 927	31 527	72 569	D
3353	Electrical equipment mfg ..	-	2	2	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
335314	Relay & industrial control mfg	-	1	1	f	D	D	D	D	D	D	D	D
BEARDSTOWN, IL													
31-33	Manufacturing	-	10	5	g	D	D	D	D	D	D	D	5 269
311	Food mfg	-	3	2	g	D	D	D	D	D	D	D	D
3116	Meat product mfg	-	2	2	g	D	D	D	D	D	D	D	D
31161	Animal slaughtering & processing	-	2	2	g	D	D	D	D	D	D	D	D
311611	Animal (except poultry) slaughtering	-	2	2	g	D	D	D	D	D	D	D	D
BEDFORD PARK, IL *													
31-33	Manufacturing	-	109	73	8 545	305 705	5 897	11 566	175 407	1 309 013	1 122 832	2 418 583	61 527
322	Paper mfg	-	7	7	823	33 494	507	1 103	15 143	61 531	77 868	141 390	7 160
3222	Converted paper product mfg	-	7	7	823	33 494	507	1 103	15 143	61 531	77 868	141 390	7 160
32221	Paperboard container mfg	-	6	6	f	D	D	D	D	D	D	D	D
322211	Corrugated & solid fiber box mfg	-	5	5	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	2	6	6	1 128	28 088	819	1 547	20 302	74 953	69 360	144 059	4 410
3231	Printing & related support activities	2	6	6	1 128	28 088	819	1 547	20 302	74 953	69 360	144 059	4 410
32311	Printing	2	5	5	f	D	D	D	D	D	D	D	D
325	Chemical mfg	-	13	9	1 220	51 892	686	1 532	24 345	614 108	447 161	1 063 158	14 912
3256	Soap, cleaning compound, & toilet preparation mfg ..	1	6	3	604	19 616	328	834	7 003	93 456	58 089	155 486	6 161
326	Plastics & rubber products mfg	1	6	5	1 050	40 387	590	1 388	21 242	133 023	48 142	179 627	13 381
3261	Plastics product mfg	1	5	5	g	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg ..	1	2	2	f	D	D	D	D	D	D	D	D
326113	Unsupported plastics film & sheet (except packaging) mfg	1	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	23	14	1 297	48 862	1 006	1 768	31 344	160 017	121 159	279 685	5 925
3321	Forging & stamping	-	4	4	554	18 588	429	619	12 236	47 465	41 636	87 197	887
33211	Forging & stamping	-	4	4	554	18 588	429	619	12 236	47 465	41 636	87 197	887

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	BEDFORD PARK, IL *—Con.												
	Manufacturing—Con.												
336	Transportation equipment mfg	1	8	8	1 216	37 078	1 009	1 812	25 769	82 778	73 621	152 259	6 616
3363	Motor vehicle parts mfg ...	—	6	6	f	D	D	D	D	D	D	D	D
	BELLEVILLE, IL												
31-33	Manufacturing	—	60	15	2 239	65 652	1 626	3 072	34 621	159 016	150 033	307 721	11 035
333	Machinery mfg	—	9	4	665	26 350	353	643	8 294	67 562	47 513	114 053	3 749
	BELLWOOD, IL												
31-33	Manufacturing	—	55	31	4 090	147 641	2 913	5 684	86 239	374 398	348 420	721 252	24 081
323	Printing & related support activities.....	—	10	4	507	19 213	408	791	13 530	29 355	19 245	49 069	3 000
3231	Printing & related support activities.....	—	10	4	507	19 213	408	791	13 530	29 355	19 245	49 069	3 000
336	Transportation equipment mfg	—	3	3	g	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg ...	—	2	2	f	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
339	Miscellaneous mfg.....	—	5	2	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	—	3	1	f	D	D	D	D	D	D	D	D
33994	Office supplies (except paper) mfg	—	1	1	f	D	D	D	D	D	D	D	D
339941	Pen & mechanical pencil mfg	—	1	1	f	D	D	D	D	D	D	D	D
	BELVIDERE, IL												
31-33	Manufacturing	—	29	12	i	D	D	D	D	D	D	D	D
311	Food mfg	3	2	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	—	6	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	1	1	h	D	D	D	D	D	D	D	D
3361	Motor vehicle mfg	—	1	1	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg	—	1	1	h	D	D	D	D	D	D	D	D
336111	Automobile mfg	—	1	1	h	D	D	D	D	D	D	D	D
	BENSENVILLE, IL *												
31-33	Manufacturing	2	265	100	7 802	263 690	5 762	11 665	165 848	555 054	413 191	966 991	31 055
323	Printing & related support activities.....	1	33	15	1 462	48 557	1 081	1 841	31 866	78 509	71 654	150 765	4 542
3231	Printing & related support activities.....	1	33	15	1 462	48 557	1 081	1 841	31 866	78 509	71 654	150 765	4 542
32311	Printing	2	25	12	1 293	43 639	952	1 581	28 868	69 377	70 068	140 051	D
323116	Manifold business form printing.....	—	1	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	5	22	12	1 137	33 336	893	1 852	21 380	74 024	58 220	131 895	6 128
3261	Plastics product mfg	5	20	12	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	5	19	12	g	D	D	D	D	D	D	D	6 088
326199	All other plastics product mfg	5	18	11	g	D	D	D	D	D	D	D	D
331	Primary metal mfg	—	8	6	602	21 626	492	1 107	14 840	51 744	36 486	87 314	3 210
332	Fabricated metal product mfg	2	89	27	1 525	51 536	1 198	2 348	35 020	110 992	77 914	188 156	7 984
3327	Machine shops, turned product, & screw, nut, & bolt mfg	3	48	11	671	22 744	519	1 017	15 957	43 273	25 801	68 617	4 071
333	Machinery mfg	1	42	11	1 071	44 193	669	1 483	24 961	80 041	41 793	121 748	2 782

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
BENTON, IL													
31-33	Manufacturing	-	16	5	1 014	20 347	835	1 247	14 041	53 189	94 169	146 339	2 751
336	Transportation equipment mfg	-	4	4	f	D	D	D	D	D	D	D	D
3366	Ship & boat building	-	2	2	f	D	D	D	D	D	D	D	D
33661	Ship & boat building	-	2	2	f	D	D	D	D	D	D	D	D
336612	Boat building	-	2	2	f	D	D	D	D	D	D	D	D
BERKELEY, IL													
31-33	Manufacturing	-	12	6	577	24 514	401	818	12 413	64 811	66 982	131 702	4 234
BERWYN, IL													
31-33	Manufacturing	1	22	4	585	23 585	333	683	10 993	47 120	32 205	79 495	853
BLOOMINGDALE, IL													
31-33	Manufacturing	-	25	9	506	15 416	303	557	7 289	37 434	66 701	103 428	1 149
BLOOMINGTON, IL													
31-33	Manufacturing	-	59	22	h	D	D	D	D	D	D	D	25 851
311	Food mfg	-	13	6	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	2	15	6	589	21 692	426	925	12 695	46 986	27 475	72 666	8 481
3231	Printing & related support activities	2	15	6	589	21 692	426	925	12 695	46 986	27 475	72 666	8 481
32311	Printing	2	13	6	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	3	2	f	D	D	D	D	D	D	D	D
3352	Household appliance mfg ..	-	1	1	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
335212	Household vacuum cleaner mfg	-	1	1	f	D	D	D	D	D	D	D	D
BLUE ISLAND, IL													
31-33	Manufacturing	-	39	16	2 570	85 333	1 926	3 959	54 406	247 910	654 060	896 063	36 607
332	Fabricated metal product mfg	-	10	2	638	22 980	520	1 062	16 765	46 969	26 830	73 816	D
3321	Forging & stamping	-	2	1	f	D	D	D	D	D	D	D	D
33211	Forging & stamping	-	2	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
3353	Electrical equipment mfg ..	-	2	2	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
335311	Power, distribution, & specialty transformer mfg	-	1	1	f	D	D	D	D	D	D	D	D
BOLINGBROOK, IL *													
31-33	Manufacturing	-	21	8	2 453	153 757	845	1 889	34 846	530 148	285 763	807 877	D
334	Computer & electronic product mfg	-	3	2	g	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	2	2	g	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg	-	1	1	g	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	-	1	1	g	D	D	D	D	D	D	D	D
BRADLEY, IL													
31-33	Manufacturing	-	20	9	1 741	75 620	1 087	2 280	34 202	196 667	386 716	563 513	D
325	Chemical mfg	-	1	1	f	D	D	D	D	D	D	D	D
3254	Pharmaceutical & medicine mfg	-	1	1	f	D	D	D	D	D	D	D	D
32541	Pharmaceutical & medicine mfg	-	1	1	f	D	D	D	D	D	D	D	D
325414	Biological product (except diagnostic) mfg	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
BRIDGEVIEW, IL													
31-33	Manufacturing	-	84	30	3 022	103 113	2 207	4 351	64 302	425 224	420 405	839 975	18 782
332	Fabricated metal product mfg	-	23	9	595	21 078	430	771	13 154	55 086	90 683	145 045	4 145
333	Machinery mfg	-	13	4	592	18 858	444	909	11 903	32 734	85 262	113 534	1 449
BROADVIEW, IL													
31-33	Manufacturing	1	80	43	4 367	139 863	3 298	6 452	84 673	307 970	259 520	561 263	16 856
323	Printing & related support activities	1	23	9	1 138	34 145	883	1 590	24 421	63 638	52 324	114 068	3 954
3231	Printing & related support activities	1	23	9	1 138	34 145	883	1 590	24 421	63 638	52 324	114 068	3 954
32311	Printing	-	16	6	508	22 448	369	805	16 056	43 890	45 630	87 847	2 935
32312	Support activities for printing	6	7	3	630	11 697	514	785	8 365	19 748	6 694	26 221	1 019
323121	Tradebinding & related work	6	4	3	606	10 583	499	747	7 573	17 814	6 068	23 700	D
332	Fabricated metal product mfg	-	21	11	1 136	42 288	909	1 809	26 923	96 530	51 640	146 976	7 456
3329	Other fabricated metal product mfg	-	3	2	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	-	3	2	f	D	D	D	D	D	D	D	D
BUFFALO GROVE, IL *													
31-33	Manufacturing	-	54	21	3 889	138 279	2 710	5 512	76 748	337 885	297 184	652 089	21 473
326	Plastics & rubber products mfg	-	3	1	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	3	1	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	2	1	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	2	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	1	15	9	946	43 370	631	1 366	24 386	123 100	86 999	242 871	3 985
3335	Metalworking machinery mfg	1	9	6	769	36 922	508	1 171	20 778	100 578	57 541	188 828	3 273
33351	Metalworking machinery mfg	1	9	6	769	36 922	508	1 171	20 778	100 578	57 541	188 828	3 273
333518	Other metalworking machinery mfg	1	4	3	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	5	2	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	3	2	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	3	2	f	D	D	D	D	D	D	D	D
BURR RIDGE, IL *													
31-33	Manufacturing	2	51	28	2 260	84 544	1 601	3 250	51 282	242 781	133 937	375 960	17 201
323	Printing & related support activities	3	11	7	586	21 707	431	910	13 126	59 770	28 650	88 371	8 480
3231	Printing & related support activities	3	11	7	586	21 707	431	910	13 126	59 770	28 650	88 371	8 480
32311	Printing	3	11	7	586	21 707	431	910	13 126	59 770	28 650	88 371	8 480
BUSHNELL, IL													
31-33	Manufacturing	1	10	7	569	14 836	460	905	11 085	32 419	37 918	71 078	3 071
CALUMET CITY, IL													
31-33	Manufacturing	3	19	8	757	23 422	481	985	13 848	77 996	77 389	155 295	12 585

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
CAROL STREAM, IL													
31-33	Manufacturing	-	91	49	5 123	190 783	3 534	7 704	103 657	503 514	481 817	973 326	62 206
323	Printing & related support activities.....	1	18	10	1 504	50 847	1 059	2 445	31 291	140 686	93 962	232 428	21 655
3231	Printing & related support activities.....	1	18	10	1 504	50 847	1 059	2 445	31 291	140 686	93 962	232 428	21 655
32311	Printing	1	17	9	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	11	6	1 158	37 514	814	1 900	22 543	104 885	75 973	178 549	16 259
332	Fabricated metal product mfg	-	17	8	1 079	36 632	811	1 755	24 652	82 768	63 417	146 242	10 274
3329	Other fabricated metal product mfg.....	-	4	3	611	20 463	455	988	13 893	51 787	49 532	101 507	3 654
33291	Metal valve mfg	-	3	3	f	D	D	D	D	D	D	D	D
CARPENTERSVILLE, IL													
31-33	Manufacturing	1	40	16	2 066	73 679	1 413	3 016	38 419	137 041	156 185	294 386	12 317
CARTHAGE, IL													
31-33	Manufacturing	-	5	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
33632	Motor vehicle electrical & electronic equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
336322	Other motor vehicle electrical & electronic equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
CARY, IL													
31-33	Manufacturing	-	58	21	1 957	61 216	1 373	2 824	34 477	184 051	184 751	365 111	15 867
326	Plastics & rubber products mfg	-	6	3	587	23 742	372	758	11 630	51 592	71 413	122 459	D
3261	Plastics product mfg	-	5	3	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	3	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	3	2	f	D	D	D	D	D	D	D	D
CASEY, IL *													
31-33	Manufacturing	-	6	3	f	D	D	D	D	D	D	D	D
CENTRALIA, IL *													
31-33	Manufacturing	1	22	11	1 382	36 356	1 033	1 921	24 252	103 956	104 821	209 433	7 573
CHAMPAIGN, IL													
31-33	Manufacturing	1	67	21	2 846	74 754	2 081	3 778	47 573	219 205	176 848	393 171	19 539
323	Printing & related support activities.....	1	19	8	689	17 427	420	678	9 895	50 454	24 644	75 097	1 544
3231	Printing & related support activities.....	1	19	8	689	17 427	420	678	9 895	50 454	24 644	75 097	1 544
32311	Printing	1	15	6	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
CHARLESTON, IL													
31-33	Manufacturing	-	17	6	1 283	41 658	1 103	2 297	34 581	154 337	234 770	404 664	3 216
336	Transportation equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg	-	1	1	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg	-	1	1	f	D	D	D	D	D	D	D	D
336212	Truck trailer mfg.....	-	1	1	f	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
	CHICAGO, IL *												
31-33	Manufacturing	1	3 195	1 126	130 372	4 178 425	95 706	194 893	2 572 050	13 497 813	13 185 467	26 745 880	719 939
311	Food mfg.....	1	409	148	26 769	835 509	19 244	40 519	539 169	3 809 763	3 380 509	7 187 873	181 856
3112	Grain & oilseed milling	-	11	6	f	D	D	D	D	D	D	D	3 695
3113	Sugar & confectionery product mfg.....	-	29	16	5 323	186 602	4 609	9 626	146 710	1 042 828	639 705	1 685 842	48 128
31133	Confectionery mfg from purchased chocolate...	-	17	8	2 752	93 838	2 193	5 177	67 586	557 251	331 254	884 672	25 362
311330	Confectionery mfg from purchased chocolate.....	-	17	8	2 752	93 838	2 193	5 177	67 586	557 251	331 254	884 672	25 362
31134	Nonchocolate confectionery mfg.....	-	10	7	g	D	D	D	D	D	D	D	D
311340	Nonchocolate confectionery mfg ...	-	10	7	g	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg.....	2	25	10	2 467	58 033	2 082	4 828	38 541	156 654	210 140	365 473	10 791
31141	Frozen food mfg.....	2	14	6	2 132	46 700	1 817	4 269	31 843	121 787	170 417	290 720	8 239
311412	Frozen specialty food mfg.....	3	12	5	g	D	D	D	D	D	D	D	D
3116	Meat product mfg.....	2	78	47	6 030	172 450	4 661	9 643	108 019	516 568	1 011 800	1 528 625	25 645
31161	Animal slaughtering & processing.....	2	78	47	6 030	172 450	4 661	9 643	108 019	516 568	1 011 800	1 528 625	25 645
311611	Animal (except poultry) slaughtering	2	18	10	g	D	D	D	D	D	D	D	D
311612	Meat processed from carcasses	1	53	32	3 651	107 744	2 828	5 997	67 706	358 400	647 466	1 009 509	16 725
311615	Poultry processing.....	9	6	5	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg.....	1	186	35	8 551	272 798	5 082	10 298	162 545	1 278 910	655 234	1 923 175	65 341
31181	Bread & bakery product mfg.....	4	167	26	5 397	144 656	2 407	4 401	61 260	322 039	164 838	487 807	D
311811	Retail bakeries.....	3	120	8	g	D	D	D	D	D	D	D	1 482
311812	Commercial bakeries ..	4	44	16	4 142	125 080	1 586	3 312	51 061	278 927	136 345	416 130	16 746
31182	Cookie, cracker, & pasta mfg.....	-	15	5	h	D	D	D	D	D	D	D	D
311821	Cookie & cracker mfg ..	-	6	5	h	D	D	D	D	D	D	D	D
3119	Other food mfg.....	4	62	27	3 232	107 312	2 060	4 514	61 902	676 274	528 656	1 202 823	25 542
31191	Snack food mfg.....	-	9	4	f	D	D	D	D	D	D	D	D
31193	Flavoring syrup & concentrate mfg.....	1	4	1	f	D	D	D	D	D	D	D	D
311930	Flavoring syrup & concentrate mfg.....	1	4	1	f	D	D	D	D	D	D	D	D
31194	Seasoning & dressing mfg.....	8	11	5	663	27 934	436	881	15 837	331 399	173 807	504 408	D
31199	All other food mfg.....	1	33	13	1 350	42 951	1 086	2 433	32 331	164 170	188 116	352 877	11 666
311999	All other miscellaneous food mfg.....	1	19	7	937	34 237	747	1 709	26 048	140 709	174 323	315 596	9 800
312	Beverage & tobacco product mfg.....	-	11	6	1 205	37 025	498	1 112	15 950	176 839	226 344	403 228	3 739
3121	Beverage mfg.....	-	10	6	g	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg.....	-	7	4	g	D	D	D	D	D	D	D	D
312111	Soft drink mfg.....	-	4	3	f	D	D	D	D	D	D	D	D
313	Textile mills.....	3	28	5	f	D	D	D	D	D	D	D	3 688
314	Textile product mills.....	5	76	22	2 040	43 623	1 493	2 741	27 286	122 065	91 962	215 594	3 606
3141	Textile furnishings mills... ..	2	39	7	778	14 802	531	1 005	9 535	60 663	40 156	102 904	761
31412	Curtain & linen mills.....	2	38	7	f	D	D	D	D	D	D	D	D
314129	Other household textile product mills.....	2	12	7	f	D	D	D	D	D	D	D	607
3149	Other textile product mills..	7	37	15	1 262	28 821	962	1 736	17 751	61 402	51 806	112 690	2 845
31491	Textile bag & canvas mills	8	19	8	684	16 700	496	892	10 008	35 522	34 128	68 934	1 951
314912	Canvas & related product mills	8	16	7	619	15 624	446	826	9 355	35 070	33 798	68 152	D
31499	All other textile product mills	7	18	7	578	12 121	466	844	7 743	25 880	17 678	43 756	894
314999	All other miscellaneous textile product mills ..	7	18	7	578	12 121	466	844	7 743	25 880	17 678	43 756	894

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	CHICAGO, IL *—Con. Manufacturing—Con.												
315	Apparel mfg	2	127	46	5 632	125 011	4 469	8 141	68 508	238 704	256 437	499 762	10 085
3151	Apparel knitting mills	—	9	6	519	11 516	474	886	8 267	20 742	17 043	36 919	D
31519	Other apparel knitting mills	—	9	6	519	11 516	474	886	8 267	20 742	17 043	36 919	D
3152	Cut & sew apparel mfg	4	84	28	3 262	60 896	2 873	5 364	43 969	113 311	65 845	177 598	D
31521	Cut & sew apparel contractors	8	36	7	g	D	D	D	D	D	D	D	D
315212	Women's, girls' & infants' cut & sew apparel contractors ..	8	33	6	1 284	19 479	1 208	2 080	17 294	31 707	9 377	41 077	D
31522	Men's & boys' cut & sew apparel mfg	3	12	7	1 048	21 845	876	1 898	14 750	39 754	29 458	68 281	D
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	7	6	2	f	D	D	D	D	D	D	D	D
31523	Women's & girls' cut & sew apparel mfg	1	22	11	f	D	D	D	D	D	D	D	569
3159	Apparel accessories & other apparel mfg	1	34	12	1 851	52 599	1 122	1 891	16 272	104 651	173 549	285 245	5 358
31599	Apparel accessories & other apparel mfg	1	34	12	1 851	52 599	1 122	1 891	16 272	104 651	173 549	285 245	5 358
315992	Glove & mitten mfg ...	—	3	2	f	D	D	D	D	D	D	D	D
315999	Other apparel accessories & other apparel mfg	2	26	7	g	D	D	D	D	D	D	D	2 615
316	Leather & allied product mfg .	1	27	12	g	D	D	D	D	D	D	D	D
3169	Other leather & allied product mfg	1	19	9	g	D	D	D	D	D	D	D	D
31699	Other leather & allied product mfg	1	19	9	g	D	D	D	D	D	D	D	D
316999	All other leather good mfg	—	6	3	f	D	D	D	D	D	D	D	D
321	Wood product mfg	5	63	20	1 183	28 519	981	1 942	20 063	55 572	59 275	115 301	2 542
3219	Other wood product mfg ...	5	58	17	1 001	24 336	832	1 631	17 178	47 130	51 178	98 677	D
322	Paper mfg	1	89	62	6 626	212 971	4 706	9 751	131 883	477 118	544 078	1 026 812	35 050
3222	Converted paper product mfg	2	88	61	i	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	1	55	41	3 846	134 232	2 939	6 064	84 839	308 600	360 825	672 188	19 251
322211	Corrugated & solid fiber box mfg	2	23	17	1 647	64 176	1 156	2 351	34 950	133 927	178 013	312 702	10 177
322212	Folding paperboard box mfg	—	19	15	1 288	47 860	1 050	2 445	33 804	126 867	137 216	266 906	5 961
322215	Nonfolding sanitary food container mfg ...	—	2	2	f	D	D	D	D	D	D	D	D
32222	Paper bag & coated & treated paper mfg	2	12	8	1 355	41 161	831	1 775	21 523	97 828	100 043	199 044	7 593
322222	Coated & laminated paper mfg	6	6	4	503	13 563	256	577	6 781	41 754	37 182	79 817	4 000
322223	Plastics, foil, & coated paper bag mfg	—	2	1	f	D	D	D	D	D	D	D	D
32223	Stationery product mfg ...	4	15	8	1 187	29 338	763	1 568	19 887	53 757	63 177	118 913	D
322232	Envelope mfg	4	9	6	1 060	26 067	663	1 363	17 522	48 052	60 988	111 011	D
323	Printing & related support activities	3	484	105	7 987	292 528	5 620	11 195	174 349	584 359	308 413	891 331	37 782
3231	Printing & related support activities	3	484	105	7 987	292 528	5 620	11 195	174 349	584 359	308 413	891 331	37 782
32311	Printing	3	395	75	5 776	208 091	4 050	8 078	120 928	408 613	252 192	659 398	28 642
323110	Commercial lithographic printing ..	3	183	46	3 265	131 834	2 309	4 712	77 826	258 418	153 797	411 246	18 091
323119	Other commercial printing	5	54	6	577	20 216	396	888	11 470	34 750	20 172	54 991	2 810
32312	Support activities for printing	4	89	30	2 211	84 437	1 570	3 117	53 421	175 746	56 221	231 933	9 140
323121	Tradebinding & related work	4	31	12	1 024	26 024	766	1 548	16 021	45 095	8 011	53 365	2 722
323122	Prepress services	4	58	18	1 187	58 413	804	1 569	37 400	130 651	48 210	178 568	6 418
325	Chemical mfg	1	123	51	4 904	187 117	3 069	6 146	97 071	955 604	834 532	1 784 698	55 178
3251	Basic chemical mfg	—	16	10	731	35 978	420	896	18 307	163 091	264 731	423 897	13 988
3255	Paint, coating, & adhesive mfg	1	33	13	938	34 080	528	1 060	14 909	182 353	202 724	385 057	5 843
32551	Paint & coating mfg	1	26	12	838	29 845	466	915	12 720	150 573	185 186	335 482	5 104
325510	Paint & coating mfg ...	1	26	12	838	29 845	466	915	12 720	150 573	185 186	335 482	5 104
3256	Soap, cleaning compound, & toilet preparation mfg ..	1	39	17	2 313	81 077	1 541	2 941	42 965	498 259	272 365	764 943	24 623
32561	Soap & cleaning compound mfg	3	25	7	514	16 868	333	680	8 103	59 975	50 302	110 986	2 703
32562	Toilet preparation mfg ...	1	14	10	1 799	64 209	1 208	2 261	34 862	438 284	222 063	653 957	21 920
325620	Toilet preparation mfg .	1	14	10	1 799	64 209	1 208	2 261	34 862	438 284	222 063	653 957	21 920

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			Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	CHICAGO, IL *—Con. Manufacturing—Con.												
325	Chemical mfg—Con.												
3259	Other chemical product mfg	1	23	9	802	32 366	501	1 075	18 816	95 533	79 366	177 995	9 822
32599	All other chemical product & preparation mfg	2	16	7	598	23 669	362	736	13 185	70 934	59 777	132 161	9 429
326	Plastics & rubber products mfg	2	113	59	6 082	174 579	4 953	10 053	114 788	402 571	398 633	798 045	24 217
3261	Plastics product mfg	2	95	49	5 368	153 109	4 350	8 863	99 139	364 371	376 463	736 862	22 934
32611	Unsupported plastics film, sheet, & bag mfg ..	1	8	7	557	15 694	400	826	9 838	41 986	69 252	110 790	2 627
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	2	10	5	577	16 988	393	841	8 896	33 641	24 691	58 414	2 306
326121	Unsupported plastics profile shape mfg	2	9	5	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	1	65	32	3 723	108 447	3 141	6 413	71 539	263 729	238 017	498 405	14 504
326199	All other plastics product mfg	1	64	31	h	D	D	D	D	D	D	D	D
3262	Rubber product mfg	1	18	10	714	21 470	603	1 190	15 649	38 200	22 170	61 183	1 283
32629	Other rubber product mfg	1	12	6	f	D	D	D	D	D	D	D	977
327	Nonmetallic mineral product mfg	2	68	31	1 810	58 429	1 453	3 111	41 939	157 346	142 219	299 980	12 324
3272	Glass & glass product mfg .	-	20	6	548	15 603	456	1 016	9 913	44 750	30 100	74 264	2 891
32721	Glass & glass product mfg	-	20	6	548	15 603	456	1 016	9 913	44 750	30 100	74 264	2 891
327215	Glass product mfg made of purchased glass.....	-	17	6	f	D	D	D	D	D	D	D	D
3279	Other nonmetallic mineral product mfg	4	23	13	637	18 542	494	1 017	12 777	42 335	30 241	73 802	D
331	Primary metal mfg	1	70	41	4 486	167 946	3 389	7 166	113 795	411 473	791 463	1 193 830	38 060
3311	Iron & steel mills & ferroalloy mfg	1	6	5	1 392	60 514	1 101	2 378	43 516	143 820	305 723	450 351	10 183
33111	Iron & steel mills & ferroalloy mfg	1	6	5	1 392	60 514	1 101	2 378	43 516	143 820	305 723	450 351	10 183
331111	Iron & steel mills	1	6	5	1 392	60 514	1 101	2 378	43 516	143 820	305 723	450 351	10 183
3312	Steel product mfg from purchased steel	-	9	7	f	D	D	D	D	D	D	D	D
33121	Iron & steel pipes & tubes mfg from purchased steel	-	5	5	765	30 402	479	1 011	18 771	109 339	244 992	341 777	13 012
331210	Iron & steel pipes & tubes mfg from purchased steel	-	5	5	765	30 402	479	1 011	18 771	109 339	244 992	341 777	13 012
3314	Nonferrous metal (except aluminum) production & processing.....	-	12	8	617	23 520	471	1 010	15 171	56 240	122 463	180 375	6 749
3315	Foundries	2	39	19	1 259	38 030	968	2 038	25 028	75 208	57 017	132 943	D
33152	Nonferrous metal foundries	2	30	13	1 046	32 269	812	1 738	20 996	60 984	49 223	110 895	3 399
331521	Aluminum die-casting foundries	-	7	4	503	16 173	388	831	10 039	30 819	23 826	56 274	2 117
332	Fabricated metal product mfg	1	571	219	20 502	685 694	15 811	32 784	444 161	1 428 688	1 168 122	2 611 494	89 705
3321	Forging & stamping	-	74	37	4 730	162 402	3 807	8 231	117 424	380 668	413 499	803 290	30 741
33211	Forging & stamping	-	74	37	4 730	162 402	3 807	8 231	117 424	380 668	413 499	803 290	30 741
332115	Crown & closure mfg..	-	3	1	f	D	D	D	D	D	D	D	D
332116	Metal stamping	1	61	31	3 476	117 529	2 867	6 164	84 707	274 788	293 748	578 733	19 724
3322	Cutlery & handtool mfg	3	20	7	1 450	49 940	1 047	2 304	28 216	97 547	61 466	173 770	9 518
33221	Cutlery & handtool mfg ..	3	20	7	1 450	49 940	1 047	2 304	28 216	97 547	61 466	173 770	9 518
332212	Hand & edge tool mfg .	3	16	5	1 370	48 019	984	2 189	27 156	93 370	59 509	167 640	D
3323	Architectural & structural metals mfg	1	85	32	3 062	95 584	2 169	4 334	57 405	217 207	133 551	349 442	9 867
33231	Plate work & fabricated structural product mfg ..	1	23	11	528	19 989	386	875	12 315	49 218	31 742	81 161	1 979
33232	Ornamental & architectural metal products mfg	1	62	21	2 534	75 595	1 783	3 459	45 090	167 989	101 809	268 281	7 888
332321	Metal window & door mfg	2	19	4	688	19 203	463	978	9 447	39 842	27 246	66 333	1 362
332322	Sheet metal work mfg .	1	27	10	1 109	33 800	837	1 500	22 855	81 675	41 084	122 064	5 483
332323	Ornamental & architectural metal work mfg	-	16	7	737	22 592	483	981	12 788	46 472	33 479	79 884	1 043

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	CHICAGO, IL *—Con.												
	Manufacturing—Con.												
332	Fabricated metal product mfg—Con.												
3324	Boiler, tank, & shipping container mfg	—	22	11	1 161	48 102	938	2 236	33 843	100 080	188 509	285 978	5 852
33243	Metal can, box, & other metal container (light gauge) mfg	—	15	10	1 015	40 505	825	1 988	29 115	87 070	181 718	266 047	D
332439	Other metal container mfg	—	12	7	f	D	D	D	D	D	D	D	D
3326	Spring & wire product mfg .	1	52	25	2 298	75 722	1 878	3 866	49 811	158 998	124 368	275 958	10 900
33261	Spring & wire product mfg	1	52	25	2 298	75 722	1 878	3 866	49 811	158 998	124 368	275 958	10 900
332612	Spring (light gauge) mfg	1	15	10	945	34 899	802	1 801	24 164	73 029	44 881	114 858	3 745
332618	Other fabricated wire product mfg	—	29	12	937	25 666	728	1 302	14 061	57 529	45 945	99 175	5 443
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	145	40	2 747	92 635	2 095	4 176	62 470	156 133	82 679	239 179	9 935
33271	Machine shops	2	96	22	1 546	54 995	1 223	2 460	38 527	92 795	48 082	140 715	5 391
332710	Machine shops	2	96	22	1 546	54 995	1 223	2 460	38 527	92 795	48 082	140 715	5 391
33272	Turned product & screw, nut, & bolt mfg	2	49	18	1 201	37 640	872	1 716	23 943	63 338	34 597	98 464	4 544
332721	Precision turned product mfg	4	36	11	741	22 008	585	1 149	15 000	39 175	14 254	53 327	3 111
3328	Coating, engraving, heat treating, & allied activities .	1	121	50	3 470	107 721	2 675	5 341	64 081	181 647	84 348	267 730	8 623
33281	Coating, engraving, heat treating, & allied activities	1	121	50	3 470	107 721	2 675	5 341	64 081	181 647	84 348	267 730	8 623
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	—	26	14	777	20 763	587	1 206	13 247	42 869	28 289	70 545	994
332813	Electroplating, plating, polishing, anodizing, & coloring	1	86	32	2 456	78 283	1 908	3 782	45 683	126 442	50 765	177 605	5 444
3329	Other fabricated metal product mfg	2	45	14	1 208	43 187	931	1 775	24 047	117 575	66 471	183 835	2 536
33299	All other fabricated metal product mfg	1	36	9	752	23 671	572	1 119	15 702	63 049	47 948	111 097	1 673
333	Machinery mfg	1	212	68	6 219	239 105	4 350	8 589	143 161	483 283	291 950	791 104	32 265
3332	Industrial machinery mfg ..	1	33	12	744	27 453	473	833	13 941	46 579	41 193	87 420	2 134
33329	Other industrial machinery mfg	1	31	12	f	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	2	36	11	678	22 445	496	799	12 750	49 784	34 453	84 028	1 749
33331	Commercial & service industry machinery mfg	2	36	11	678	22 445	496	799	12 750	49 784	34 453	84 028	1 749
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	11	7	612	22 829	446	915	13 252	60 159	31 581	90 590	3 230
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	—	11	7	612	22 829	446	915	13 252	60 159	31 581	90 590	3 230
3335	Metalworking machinery mfg	—	74	15	1 902	78 360	1 357	2 792	52 147	167 303	74 139	253 650	10 044
33351	Metalworking machinery mfg	—	74	15	1 902	78 360	1 357	2 792	52 147	167 303	74 139	253 650	10 044
333513	Machine tool (metal forming types) mfg	—	3	2	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg	1	14	7	1 009	40 586	750	1 550	28 063	77 806	37 638	120 676	5 405
33361	Engine, turbine, & power transmission equipment mfg	1	14	7	1 009	40 586	750	1 550	28 063	77 806	37 638	120 676	5 405
333612	Speed changer, industrial high-speed drive, & gear mfg	—	11	7	999	40 109	742	1 531	27 743	76 689	36 465	118 360	5 320
3339	Other general-purpose machinery mfg	2	39	15	1 092	40 919	693	1 408	18 800	75 583	61 336	137 342	8 193
33399	All other general-purpose machinery mfg	2	23	9	814	31 237	484	961	13 579	58 681	46 374	105 745	7 642

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	CHICAGO, IL *—Con.												
	Manufacturing—Con.												
334	Computer & electronic product mfg.....	1	94	38	5 200	160 027	3 155	6 290	64 750	397 425	246 613	645 997	19 562
3341	Computer & peripheral equipment mfg.....	—	4	2	f	D	D	D	D	D	D	D	D
33411	Computer & peripheral equipment mfg.....	—	4	2	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment mfg.....	—	3	2	f	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg.....	1	36	17	1 985	46 629	1 641	3 210	31 682	89 843	62 148	151 912	4 288
33441	Semiconductor & other electronic component mfg.....	1	36	17	1 985	46 629	1 641	3 210	31 682	89 843	62 148	151 912	4 288
334416	Electronic coil, transformer, & other inductor mfg.....	1	12	5	569	12 889	471	1 065	8 511	19 463	12 898	32 434	652
334417	Electronic connector mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg.....	—	22	9	1 433	48 021	856	1 741	17 702	107 904	50 823	160 574	3 232
33451	Navigational, measuring, medical, & control instruments mfg.....	—	22	9	1 433	48 021	856	1 741	17 702	107 904	50 823	160 574	3 232
334510	Electromedical & electrotherapeutic apparatus mfg.....	—	4	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg.....	—	81	38	6 119	211 723	4 212	9 095	117 767	535 399	409 229	939 641	46 133
3351	Electric lighting equipment mfg.....	—	34	16	g	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg.....	—	32	16	1 838	52 001	1 365	2 866	29 604	137 278	74 647	203 995	D
335121	Residential electric lighting fixture mfg....	—	20	9	g	D	D	D	D	D	D	D	D
3352	Household appliance mfg..	—	4	2	f	D	D	D	D	D	D	D	D
33521	Small electrical appliance mfg.....	—	4	2	f	D	D	D	D	D	D	D	D
335211	Electric housewares & household fan mfg....	—	4	2	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg..	—	26	14	2 619	110 892	1 627	3 603	56 702	283 078	180 445	463 621	26 891
33531	Electrical equipment mfg.....	—	26	14	2 619	110 892	1 627	3 603	56 702	283 078	180 445	463 621	26 891
335311	Power, distribution, & specialty transformer mfg.....	—	4	3	f	D	D	D	D	D	D	D	D
335313	Switchgear & switchboard apparatus mfg.....	—	6	5	1 716	79 158	1 093	2 511	41 995	167 774	126 014	293 380	D
3359	Other electrical equipment & component mfg.....	—	17	6	g	D	D	D	D	D	D	D	16 091
33593	Wiring device mfg.....	—	10	5	1 021	32 960	757	1 625	20 092	79 887	98 133	178 534	D
335932	Noncurrent-carrying wiring device mfg....	—	5	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg.....	—	67	32	7 477	271 664	6 350	12 253	206 529	2 254 021	3 135 584	5 442 288	77 924
3361	Motor vehicle mfg.....	—	4	1	h	D	D	D	D	D	D	D	D
33611	Automobile & light duty motor vehicle mfg.....	—	4	1	h	D	D	D	D	D	D	D	D
336111	Automobile mfg.....	—	2	1	h	D	D	D	D	D	D	D	D
3362	Motor vehicle body & trailer mfg.....	—	5	4	f	D	D	D	D	D	D	D	D
33621	Motor vehicle body & trailer mfg.....	—	5	4	f	D	D	D	D	D	D	D	D
336212	Truck trailer mfg.....	—	1	1	f	D	D	D	D	D	D	D	D
3363	Motor vehicle parts mfg....	1	51	22	h	D	D	D	D	D	D	D	D
33631	Motor vehicle gasoline engine & engine parts mfg.....	—	8	2	547	11 284	470	428	7 963	26 878	28 861	52 914	2 403
336312	Gasoline engine & engine parts mfg.....	—	7	2	f	D	D	D	D	D	D	D	D
33639	Other motor vehicle parts mfg.....	—	11	6	593	18 436	437	536	7 345	34 500	25 910	61 427	5 163
336399	All other motor vehicle parts mfg.....	—	11	6	593	18 436	437	536	7 345	34 500	25 910	61 427	5 163
3365	Railroad rolling stock mfg..	—	5	4	929	36 312	732	1 767	23 143	S	S	198 894	438
33651	Railroad rolling stock mfg.....	—	5	4	929	36 312	732	1 767	23 143	S	S	198 894	438
336510	Railroad rolling stock mfg.....	—	5	4	929	36 312	732	1 767	23 143	S	S	198 894	438

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	CHICAGO, IL *—Con. Manufacturing—Con.												
337	Furniture & related product mfg	1	180	45	5 278	135 516	4 239	8 130	88 017	311 579	236 146	546 750	10 002
3371	Household & institutional furniture & kitchen cabinet mfg	3	113	18	1 627	37 015	1 379	2 474	26 828	66 122	59 033	125 561	2 610
33712	Household & institutional furniture mfg	3	70	15	1 176	27 255	995	1 767	20 021	47 640	40 095	88 077	1 906
3372	Office furniture (including fixtures) mfg	—	47	22	3 196	87 433	2 539	5 034	55 530	223 033	148 063	369 579	6 598
33721	Office furniture (including fixtures) mfg	—	47	22	3 196	87 433	2 539	5 034	55 530	223 033	148 063	369 579	6 598
337215	Showcase, partition, shelving, & locker mfg	—	31	16	2 555	65 957	2 088	4 005	42 938	174 861	120 907	293 857	5 342
339	Miscellaneous mfg	1	291	76	8 259	246 613	5 601	11 380	121 401	557 525	486 143	1 041 502	33 202
3391	Medical equipment & supplies mfg	2	94	12	1 209	34 231	810	1 548	17 746	87 567	44 200	131 344	4 334
33911	Medical equipment & supplies mfg	2	94	12	1 209	34 231	810	1 548	17 746	87 567	44 200	131 344	4 334
339114	Dental equipment & supplies mfg	—	10	4	500	18 623	290	595	8 380	53 769	27 498	80 442	2 715
3399	Other miscellaneous mfg ..	1	197	64	7 050	212 382	4 791	9 832	103 655	469 958	441 943	910 158	28 868
33991	Jewelry & silverware mfg	2	40	8	667	15 385	505	819	8 953	41 558	37 076	75 783	771
33993	Doll, toy, & game mfg ...	—	19	7	776	21 880	585	1 178	10 110	69 506	71 853	141 664	3 561
339932	Game, toy, & children's vehicle mfg	1	15	5	f	D	D	D	D	D	D	D	D
33995	Sign mfg	1	50	19	1 779	64 724	1 027	2 119	28 517	120 635	98 152	219 930	3 551
339950	Sign mfg	1	50	19	1 779	64 724	1 027	2 119	28 517	120 635	98 152	219 930	3 551
33999	All other miscellaneous mfg	1	64	25	3 247	95 695	2 249	4 945	49 068	200 785	185 177	384 048	18 319
339994	Broom, brush, & mop mfg	—	8	4	673	27 141	393	1 157	13 399	47 762	27 426	74 529	3 767
339999	All other miscellaneous mfg	1	33	12	1 961	51 920	1 404	2 879	25 368	121 082	128 268	248 972	12 466
	CHICAGO HEIGHTS, IL												
31-33	Manufacturing	—	71	31	4 061	149 042	3 003	6 782	97 420	419 292	565 665	982 474	25 657
325	Chemical mfg	—	7	5	505	22 612	390	934	14 943	84 924	111 913	202 652	8 986
331	Primary metal mfg	—	8	5	863	33 749	677	1 513	22 841	67 310	132 802	196 700	6 579
3311	Iron & steel mills & ferroalloy mfg	—	2	2	f	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	—	2	2	f	D	D	D	D	D	D	D	D
331111	Iron & steel mills	—	2	2	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	—	2	2	f	D	D	D	D	D	D	D	D
3365	Railroad rolling stock mfg ..	—	1	1	f	D	D	D	D	D	D	D	D
33651	Railroad rolling stock mfg	—	1	1	f	D	D	D	D	D	D	D	D
336510	Railroad rolling stock mfg	—	1	1	f	D	D	D	D	D	D	D	D
	CHICAGO RIDGE, IL												
31-33	Manufacturing	—	18	5	863	26 851	618	1 288	15 548	52 050	40 923	91 928	5 299
	CICERO, IL												
31-33	Manufacturing	—	123	61	5 613	190 667	4 219	9 035	120 610	499 866	488 256	973 200	30 840
322	Paper mfg	—	6	6	628	20 041	486	1 042	12 443	45 335	45 852	93 129	2 344
3222	Converted paper product mfg	—	6	6	628	20 041	486	1 042	12 443	45 335	45 852	93 129	2 344
32221	Paperboard container mfg	—	5	5	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	—	3	3	893	30 963	751	1 713	22 776	109 068	161 148	260 626	6 692
332	Fabricated metal product mfg	—	30	16	1 120	39 884	861	1 983	24 980	69 129	45 716	115 377	4 471
333	Machinery mfg	1	12	9	797	28 342	452	919	13 859	51 728	38 296	89 397	1 837
	CLINTON, IL												
31-33	Manufacturing	—	8	6	f	D	D	D	D	D	D	D	D

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CREST HILL, IL													
31-33	Manufacturing	-	18	8	565	19 518	436	851	12 595	80 551	80 636	158 932	4 147
CRYSTAL LAKE, IL													
31-33	Manufacturing	1	99	43	5 437	186 790	3 965	8 755	115 924	449 038	305 484	756 313	42 106
323	Printing & related support activities.....	1	18	7	958	35 630	709	1 505	22 841	72 149	32 684	105 230	16 826
3231	Printing & related support activities.....	1	18	7	958	35 630	709	1 505	22 841	72 149	32 684	105 230	16 826
32311	Printing	1	15	5	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	6	2	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	4	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	3	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	1	18	7	948	36 599	788	1 512	27 082	91 505	55 610	148 150	6 490
3329	Other fabricated metal product mfg	-	2	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	-	2	1	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	-	2	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	1	24	12	1 762	60 476	1 405	3 567	41 609	92 033	90 683	185 687	5 812
3335	Metalworking machinery mfg	-	10	7	1 129	38 366	896	2 334	28 590	59 061	40 405	97 708	3 047
33351	Metalworking machinery mfg	-	10	7	1 129	38 366	896	2 334	28 590	59 061	40 405	97 708	3 047
333515	Cutting tool & machine tool accessory mfg ..	-	3	2	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	7	5	539	14 971	230	475	4 804	66 793	46 709	112 836	D
DANVILLE, IL													
31-33	Manufacturing	-	60	29	4 864	160 458	3 819	7 991	115 838	507 484	842 772	1 363 367	52 383
311	Food mfg	-	5	4	f	D	D	D	D	D	D	D	D
3112	Grain & oilseed milling	-	2	2	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal mfg	-	1	1	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	3	12	6	679	22 259	550	1 192	16 455	54 031	61 080	113 087	3 807
333	Machinery mfg	-	7	5	g	D	D	D	D	D	D	D	1 566
3339	Other general-purpose machinery mfg	-	3	2	f	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	3	3	f	D	D	D	D	D	D	D	D
DARIEN, IL													
31-33	Manufacturing	-	17	3	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	3	1	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D

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DECATUR, IL													
31-33	Manufacturing	-	98	38									181 592
311	Food mfg	-	13	9									D
3112	Grain & oilseed milling	-	6	5									D
31122	Starch & vegetable fats & oils mfg	-	5	4									D
311221	Wet corn milling	-	2	2									D
325	Chemical mfg	-	9	5									D
326	Plastics & rubber products mfg	-	3	2									D
3262	Rubber product mfg	-	2	1									D
32621	Tire mfg	-	1	1									D
326211	Tire mfg (except retreading)	-	1	1									D
331	Primary metal mfg	-	2	2									D
3315	Foundries	-	2	2									D
33151	Ferrous metal foundries	-	2	2									D
331511	Iron foundries	-	2	2									D
332	Fabricated metal product mfg	-	25	7	1 158	33 150	646	1 430	24 722	45 483	41 588	87 593	3 452
3329	Other fabricated metal product mfg	-	5	4									D
33291	Metal valve mfg	-	1	1									D
332911	Industrial valve mfg	-	1	1									D
333	Machinery mfg	-	6	4									D
3331	Agriculture, construction, & mining machinery mfg	-	2	2									D
33312	Construction machinery mfg	-	1	1									D
333120	Construction machinery mfg	-	1	1									D
336	Transportation equipment mfg	-	2	2									D
3363	Motor vehicle parts mfg ...	-	2	2									D
33639	Other motor vehicle parts mfg	-	2	2									D
336391	Motor vehicle air-conditioning mfg	-	2	2									D
DEKALB, IL													
31-33	Manufacturing	-	47	21	2 648	71 220	1 790	3 032	40 685	271 271	289 614	535 282	14 340
DES PLAINES, IL													
31-33	Manufacturing	-	164	78	12 021	411 031	8 025	17 779	221 617	988 977	868 933	1 849 552	89 882
311	Food mfg	-	8	3	1 069	29 438	837	2 009	18 288	75 824	125 692	202 201	3 154
3118	Bakeries & tortilla mfg	-	5	2									D
31182	Cookie, cracker, & pasta mfg	-	2	1									D
311821	Cookie & cracker mfg	-	1	1									D
315	Apparel mfg	-	2	1									D
3152	Cut & sew apparel mfg ...	-	1	1									D
31522	Men's & boys' cut & sew apparel mfg	-	1	1									D
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	-	1	1									D
323	Printing & related support activities	2	34	10	1 159	47 031	866	1 535	26 703	106 017	56 051	162 327	8 176
3231	Printing & related support activities	2	34	10	1 159	47 031	866	1 535	26 703	106 017	56 051	162 327	8 176
32311	Printing	3	30	8									D
323110	Commercial lithographic printing ..	4	18	5	603	23 992	454	807	12 993	53 736	32 578	86 448	4 885
326	Plastics & rubber products mfg	1	15	12	861	30 033	656	1 577	19 361	84 465	63 072	147 393	5 217
3261	Plastics product mfg	1	12	10	746	25 279	561	1 318	16 634	75 345	59 204	134 393	D
332	Fabricated metal product mfg	-	31	18	2 299	83 630	1 674	3 767	49 975	158 222	145 725	302 243	14 612
3321	Forging & stamping	-	10	6	543	19 177	324	641	9 240	45 901	56 996	102 201	2 785
33211	Forging & stamping	-	10	6	543	19 177	324	641	9 240	45 901	56 996	102 201	2 785
332116	Metal stamping	-	10	6	543	19 177	324	641	9 240	45 901	56 996	102 201	2 785
3323	Architectural & structural metals mfg	-	5	3	620	23 520	448	1 156	13 677	45 057	29 676	75 129	1 327
33232	Ornamental & architectural metal products mfg	-	4	2									D

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31-33	DES PLAINES, IL—Con.												
	Manufacturing—Con.												
335	Electrical equipment, appliance, & component mfg	-	7	6	2 572	84 968	1 802	4 297	48 095	163 429	128 229	297 297	D
3351	Electric lighting equipment mfg	-	2	1	f	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg	-	2	1	f	D	D	D	D	D	D	D	D
335122	Commercial/industrial/institutional electric lighting fixture mfg ...	-	2	1	f	D	D	D	D	D	D	D	D
3353	Electrical equipment mfg ..	-	4	4	g	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	-	4	4	g	D	D	D	D	D	D	D	D
335313	Switchgear & switchboard apparatus mfg	-	1	1	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	19	4	890	29 856	352	634	6 426	121 777	85 213	198 833	D
3391	Medical equipment & supplies mfg	-	8	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg	-	8	1	f	D	D	D	D	D	D	D	D
339115	Ophthalmic goods mfg	-	1	1	f	D	D	D	D	D	D	D	D
	DIXON, IL												
31-33	Manufacturing	1	17	13	2 417	79 132	1 705	3 719	48 505	310 117	248 541	565 082	7 790
332	Fabricated metal product mfg	-	4	4	g	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	-	1	1	f	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	-	1	1	f	D	D	D	D	D	D	D	D
332321	Metal window & door mfg	-	1	1	f	D	D	D	D	D	D	D	D
	DOLTON, IL												
31-33	Manufacturing	1	23	9	1 196	38 215	958	1 747	26 479	143 937	127 553	263 336	29 264
	DOWNERS GROVE, IL												
31-33	Manufacturing	1	104	34	5 174	203 033	3 330	6 797	107 623	426 765	268 324	692 665	25 372
323	Printing & related support activities	-	32	8	649	24 240	459	1 024	14 633	51 426	35 890	87 524	3 187
3231	Printing & related support activities	-	32	8	649	24 240	459	1 024	14 633	51 426	35 890	87 524	3 187
32311	Printing	-	26	8	610	22 706	430	964	13 553	48 500	35 300	84 006	3 163
332	Fabricated metal product mfg	-	11	5	646	24 946	523	1 096	18 304	82 524	24 070	106 355	5 253
3329	Other fabricated metal product mfg	-	4	3	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	-	4	3	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	16	9	1 083	48 742	635	1 309	25 101	102 102	48 084	151 106	3 909
3336	Engine, turbine, & power transmission equipment mfg	-	3	3	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	3	3	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	12	5	1 142	51 780	476	1 021	12 895	101 327	64 091	163 574	3 980
3345	Navigational, measuring, medical, & control instruments mfg	-	5	3	729	40 487	206	440	6 707	79 389	44 174	121 417	D
33451	Navigational, measuring, medical, & control instruments mfg	-	5	3	729	40 487	206	440	6 707	79 389	44 174	121 417	D
336	Transportation equipment mfg	7	3	3	554	16 073	301	686	8 107	20 228	32 778	51 853	D
	DU QUOIN, IL												
31-33	Manufacturing	-	12	4	f	D	D	D	D	D	D	D	2 041

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	DWIGHT, IL *												
31-33	Manufacturing	-	3	2	g	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	-	1	1	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	-	1	1	f	D	D	D	D	D	D	D	D
32311	Printing	-	1	1	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	1	1	f	D	D	D	D	D	D	D	D
	EAST ALTON, IL												
31-33	Manufacturing	-	10	4	h	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	1	1	g	D	D	D	D	D	D	D	D
3314	Nonferrous metal (except aluminum) production & processing.....	-	1	1	g	D	D	D	D	D	D	D	D
33142	Copper rolling, drawing, extruding, & alloying ...	-	1	1	g	D	D	D	D	D	D	D	D
331421	Copper rolling, drawing, & extruding .	-	1	1	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	3	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
33299	All other fabricated metal product mfg	-	1	1	g	D	D	D	D	D	D	D	D
332992	Small arms ammunition mfg	-	1	1	g	D	D	D	D	D	D	D	D
	EAST DUNDEE, IL *												
31-33	Manufacturing	1	24	6	599	18 015	395	889	10 935	34 478	94 633	128 871	D
	EAST MOLINE, IL												
31-33	Manufacturing	-	22	11	h	D	D	D	D	D	D	D	D
333	Machinery mfg	-	4	3	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg.	-	3	2	h	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg	-	3	2	h	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	-	3	2	h	D	D	D	D	D	D	D	D
	EAST PEORIA, IL												
31-33	Manufacturing	-	33	11	h	D	D	D	D	D	D	D	35 361
333	Machinery mfg	-	4	3	h	D	D	D	D	D	D	D	D
3331	Agriculture, construction, & mining machinery mfg.	-	1	1	h	D	D	D	D	D	D	D	D
33312	Construction machinery mfg	-	1	1	h	D	D	D	D	D	D	D	D
333120	Construction machinery mfg	-	1	1	h	D	D	D	D	D	D	D	D
	EAST ST. LOUIS, IL												
31-33	Manufacturing	-	22	5	564	20 899	413	901	15 607	63 825	72 685	134 865	3 067
	EFFINGHAM, IL												
31-33	Manufacturing	-	39	20	4 375	117 657	3 718	7 479	87 320	288 900	470 862	755 499	23 338
323	Printing & related support activities.....	-	8	4	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	-	8	4	g	D	D	D	D	D	D	D	D
32311	Printing	-	7	3	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	7	3	g	D	D	D	D	D	D	D	D
333	Machinery mfg	-	2	2	g	D	D	D	D	D	D	D	D
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	-	1	1	g	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .	-	1	1	g	D	D	D	D	D	D	D	D
333415	AC & warm air heating & commercial/ industrial refig equip mfg	-	1	1	g	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	ELGIN, IL *												
31-33	Manufacturing	-	175	92	9 955	345 750	7 337	15 111	215 876	909 017	878 854	1 779 016	92 653
326	Plastics & rubber products mfg	1	20	14	1 942	54 809	1 583	3 155	35 788	90 131	154 718	244 607	8 925
3261	Plastics product mfg	1	19	13	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	1	14	11	1 455	36 895	1 213	2 405	23 537	74 821	50 221	125 276	5 695
326199	All other plastics product mfg	1	14	11	1 455	36 895	1 213	2 405	23 537	74 821	50 221	125 276	5 695
332	Fabricated metal product mfg	-	31	15	2 379	91 088	1 997	4 303	71 126	200 591	229 762	435 599	40 961
3324	Boiler, tank, & shipping container mfg	-	2	2	f	D	D	D	D	D	D	D	D
33243	Metal can, box, & other metal container (light gauge) mfg	-	2	2	f	D	D	D	D	D	D	D	D
332431	Metal can mfg	-	2	2	f	D	D	D	D	D	D	D	D
3327	Machine shops, turned product, & screw, nut, & bolt mfg	-	15	6	839	27 328	688	1 567	19 525	59 022	34 544	95 070	6 516
33272	Turned product & screw, nut, & bolt mfg	-	7	5	787	25 086	658	1 503	18 467	55 580	33 304	90 391	6 423
332721	Precision turned product mfg	-	6	4	f	D	D	D	D	D	D	D	6 423
333	Machinery mfg	-	18	11	1 089	41 514	669	1 356	20 951	100 121	83 699	183 561	5 968
334	Computer & electronic product mfg	1	17	10	1 218	33 686	807	1 672	19 061	137 167	67 312	192 629	5 940
3344	Semiconductor & other electronic component mfg	-	8	6	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	8	6	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	4	7	4	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	4	7	4	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	6	4	f	D	D	D	D	D	D	D	D
	ELK GROVE VILLAGE, IL *												
31-33	Manufacturing	1	550	251	23 239	864 400	16 670	35 504	508 847	2 109 266	1 826 674	3 916 491	173 589
311	Food mfg	1	11	10	998	33 735	668	1 500	18 348	94 039	171 137	264 588	6 999
322	Paper mfg	-	12	9	1 200	48 247	916	2 074	32 578	89 984	136 011	222 058	3 471
3222	Converted paper product mfg	-	12	9	1 200	48 247	916	2 074	32 578	89 984	136 011	222 058	3 471
32221	Paperboard container mfg	-	4	4	805	34 646	663	1 572	25 701	58 837	87 567	144 535	D
322212	Folding paperboard box mfg	-	1	1	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	3	85	40	4 128	182 445	3 034	6 780	112 963	369 404	304 911	673 983	40 065
3231	Printing & related support activities	3	85	40	4 128	182 445	3 034	6 780	112 963	369 404	304 911	673 983	40 065
32311	Printing	3	68	31	3 371	151 323	2 428	5 377	93 098	305 414	286 323	591 277	37 352
323110	Commercial lithographic printing	3	42	24	2 935	139 092	2 104	4 804	85 026	277 579	252 376	529 926	35 781
32312	Support activities for printing	4	17	9	757	31 122	606	1 403	19 865	63 990	18 588	82 706	2 713
325	Chemical mfg	3	29	15	1 369	40 405	803	1 622	20 295	129 015	125 683	254 814	7 386
3259	Other chemical product mfg	4	12	7	610	17 646	423	858	10 717	46 144	47 328	93 683	3 127
32599	All other chemical product & preparation mfg	5	10	5	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	36	25	2 430	76 566	1 868	3 907	46 813	212 121	212 405	423 793	17 982
3261	Plastics product mfg	-	34	23	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	1	22	15	1 369	35 725	1 082	2 073	23 473	113 731	108 532	220 986	9 361
326199	All other plastics product mfg	1	22	15	1 369	35 725	1 082	2 073	23 473	113 731	108 532	220 986	9 361

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	ELK GROVE VILLAGE, IL *—Con.												
	Manufacturing—Con.												
332	Fabricated metal product mfg	—	162	76	6 188	237 348	4 717	10 345	150 313	573 709	404 639	966 211	37 658
3321	Forging & stamping	—	17	7	1 016	44 137	825	1 971	25 771	76 845	167 189	237 168	8 415
33211	Forging & stamping	—	17	7	1 016	44 137	825	1 971	25 771	76 845	167 189	237 168	8 415
332116	Metal stamping	—	15	6	f	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	—	11	8	596	22 681	428	909	13 013	127 708	34 277	162 050	2 190
33232	Ornamental & architectural metal products mfg	—	9	7	f	D	D	D	D	D	D	D	D
332322	Sheet metal work mfg ..	—	8	7	541	19 444	392	842	11 660	122 994	30 995	153 974	2 149
3327	Machine shops, turned product, & screw, nut, & bolt mfg	—	88	34	2 446	90 607	1 821	3 953	60 863	185 553	83 914	264 994	16 377
33271	Machine shops	1	67	22	1 210	45 435	929	2 046	31 165	78 966	31 284	109 409	5 817
332710	Machine shops	1	67	22	1 210	45 435	929	2 046	31 165	78 966	31 284	109 409	5 817
33272	Turned product & screw, nut, & bolt mfg	—	21	12	1 236	45 172	892	1 907	29 698	106 587	52 630	155 585	10 560
332721	Precision turned product mfg	—	14	9	742	26 846	625	1 319	20 149	60 541	21 139	78 072	6 735
3328	Coating, engraving, heat treating, & allied activities.	—	23	15	1 347	55 129	1 041	2 390	34 319	129 338	79 422	208 552	8 051
33281	Coating, engraving, heat treating, & allied activities	—	23	15	1 347	55 129	1 041	2 390	34 319	129 338	79 422	208 552	8 051
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	—	9	8	697	30 697	558	1 177	20 125	74 026	62 079	135 951	6 155
333	Machinery mfg	2	108	37	2 454	98 953	1 636	3 421	58 921	270 497	157 816	429 117	12 777
3332	Industrial machinery mfg ..	4	16	9	665	24 713	346	722	10 458	55 116	32 588	87 677	2 236
33329	Other industrial machinery mfg	4	16	9	665	24 713	346	722	10 458	55 116	32 588	87 677	2 236
3335	Metalworking machinery mfg	1	68	16	1 138	47 544	880	1 857	33 080	87 625	48 465	137 097	7 687
33351	Metalworking machinery mfg	1	68	16	1 138	47 544	880	1 857	33 080	87 625	48 465	137 097	7 687
334	Computer & electronic product mfg	1	26	15	1 731	44 835	1 370	2 694	28 505	101 632	81 602	182 411	13 340
3344	Semiconductor & other electronic component mfg	1	18	12	1 485	36 007	1 207	2 350	23 449	76 770	67 816	143 585	12 804
33441	Semiconductor & other electronic component mfg	1	18	12	1 485	36 007	1 207	2 350	23 449	76 770	67 816	143 585	12 804
334412	Bare printed circuit board mfg	1	12	8	1 300	31 429	1 080	2 182	21 636	62 905	60 038	122 066	11 166
335	Electrical equipment, appliance, & component mfg	—	12	5	1 130	54 785	541	1 020	11 912	148 872	131 730	283 887	D
3351	Electric lighting equipment mfg	—	1	1	f	D	D	D	D	D	D	D	D
33512	Lighting fixture mfg	—	1	1	f	D	D	D	D	D	D	D	D
335121	Residential electric lighting fixture mfg ..	—	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	1	27	9	886	25 311	552	1 001	13 377	74 852	64 119	134 480	1 811
3399	Other miscellaneous mfg ..	—	21	7	743	21 337	449	808	11 268	64 641	59 961	120 166	1 389
	ELMHURST, IL *												
31-33	Manufacturing	1	85	36	2 882	103 079	1 927	4 098	56 338	226 566	199 097	420 974	12 876
332	Fabricated metal product mfg	—	22	9	724	29 168	502	1 200	16 870	67 356	60 554	126 556	3 517
333	Machinery mfg	—	14	6	604	26 662	396	863	14 358	50 832	29 021	78 641	2 142
	EVANSTON, IL												
31-33	Manufacturing	2	67	24	2 310	74 448	1 233	2 507	30 960	167 457	156 809	321 692	10 651
334	Computer & electronic product mfg	—	6	2	f	D	D	D	D	D	D	D	D
3343	Audio & video equipment mfg	—	2	1	f	D	D	D	D	D	D	D	D
33431	Audio & video equipment mfg	—	2	1	f	D	D	D	D	D	D	D	D
334310	Audio & video equipment mfg	—	2	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
FAIRFIELD, IL													
31-33	Manufacturing	-	11	2	g	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	1	1	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
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
FLORA, IL													
31-33	Manufacturing	-	13	9	g	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	-	2	2	g	D	D	D	D	D	D	D	D
336321	Vehicular lighting equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
FORD HEIGHTS, IL													
31-33	Manufacturing	-	2	2	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
33637	Motor vehicle metal stamping	-	1	1	g	D	D	D	D	D	D	D	D
336370	Motor vehicle metal stamping	-	1	1	g	D	D	D	D	D	D	D	D
FOREST PARK, IL													
31-33	Manufacturing	-	26	10	1 173	40 286	810	1 833	23 083	66 396	127 383	194 448	13 211
311	Food mfg	-	2	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
FRANKFORT, IL													
31-33	Manufacturing	-	38	14	1 512	53 284	1 066	2 273	32 531	170 161	107 114	278 794	14 623
326	Plastics & rubber products mfg	-	4	4	645	22 140	414	932	11 607	71 593	59 986	131 981	6 312
3261	Plastics product mfg	-	4	4	645	22 140	414	932	11 607	71 593	59 986	131 981	6 312
FRANKLIN PARK, IL													
31-33	Manufacturing	-	315	126	15 415	500 860	10 619	22 331	295 710	1 963 752	1 225 009	3 190 093	75 372
311	Food mfg	-	10	6	2 775	75 935	1 887	4 228	51 896	458 010	278 273	735 689	15 370
3113	Sugar & confectionery product mfg	-	1	1	f	D	D	D	D	D	D	D	D
31133	Confectionery mfg from purchased chocolate ...	-	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate	-	1	1	f	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	-	2	1	f	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	-	1	1	f	D	D	D	D	D	D	D	D
311423	Dried & dehydrated food mfg	-	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	-	3	2	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	-	3	2	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries .	-	3	2	f	D	D	D	D	D	D	D	D
3119	Other food mfg	2	3	2	f	D	D	D	D	D	D	D	D
31199	All other food mfg	-	1	1	f	D	D	D	D	D	D	D	D
311991	Perishable prepared food mfg	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	FRANKLIN PARK, IL—Con.												
31-33	Manufacturing—Con.												
326	Plastics & rubber products mfg	1	17	8	802	23 678	651	1 390	14 790	55 808	53 446	108 505	5 847
3261	Plastics product mfg	1	16	8	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	—	11	6	661	20 257	541	1 176	12 247	47 292	41 375	88 089	5 685
326199	All other plastics product mfg	—	11	6	661	20 257	541	1 176	12 247	47 292	41 375	88 089	5 685
331	Primary metal mfg	—	5	4	511	14 786	396	892	10 895	35 377	48 694	84 009	1 381
332	Fabricated metal product mfg	1	126	50	4 908	165 814	3 574	7 550	106 333	376 357	324 614	694 284	18 459
3321	Forging & stamping	2	23	12	715	25 123	565	1 258	15 312	55 316	53 025	107 230	2 421
33211	Forging & stamping	2	23	12	715	25 123	565	1 258	15 312	55 316	53 025	107 230	2 421
332116	Metal stamping	3	17	9	553	17 492	426	935	10 091	38 707	39 504	77 209	2 169
3327	Machine shops, turned product, & screw, nut, & bolt mfg	2	63	19	1 218	40 371	973	2 005	27 373	78 156	46 544	121 549	6 702
33271	Machine shops	3	43	12	729	24 009	576	1 263	16 236	42 245	20 670	60 464	3 704
332710	Machine shops	3	43	12	729	24 009	576	1 263	16 236	42 245	20 670	60 464	3 704
3328	Coating, engraving, heat treating, & allied activities	2	15	7	517	15 978	400	946	11 103	39 684	64 576	101 827	2 206
33281	Coating, engraving, heat treating, & allied activities	2	15	7	517	15 978	400	946	11 103	39 684	64 576	101 827	2 206
3329	Other fabricated metal product mfg	—	6	3	1 758	60 146	1 137	2 283	37 211	126 084	119 212	246 547	4 385
33291	Metal valve mfg	—	2	1	f	D	D	D	D	D	D	D	D
332913	Plumbing fixture fitting & trim mfg	—	1	1	f	D	D	D	D	D	D	D	D
33299	All other fabricated metal product mfg	—	4	2	g	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	—	3	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	1	52	9	1 217	42 609	806	1 617	23 199	87 364	85 612	176 532	6 542
3339	Other general-purpose machinery mfg	—	8	3	716	24 405	419	846	11 140	51 606	66 484	121 141	5 220
334	Computer & electronic product mfg	3	12	7	885	31 108	571	1 250	16 351	48 217	37 794	91 784	1 570
3344	Semiconductor & other electronic component mfg	—	7	4	582	19 988	394	809	11 579	22 347	16 798	43 242	383
33441	Semiconductor & other electronic component mfg	—	7	4	582	19 988	394	809	11 579	22 347	16 798	43 242	383
335	Electrical equipment, appliance, & component mfg	—	13	9	1 326	45 591	822	1 717	21 242	183 295	166 341	347 550	6 490
3359	Other electrical equipment & component mfg	2	5	5	727	27 987	435	952	12 501	71 931	49 628	122 670	3 964
33593	Wiring device mfg	—	3	3	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	—	17	8	893	33 126	387	678	8 922	56 360	51 391	106 962	3 036
3399	Other miscellaneous mfg ..	—	14	6	761	29 642	298	537	7 226	48 442	47 083	94 630	2 457
33992	Sporting & athletic goods mfg	—	1	1	f	D	D	D	D	D	D	D	D
339920	Sporting & athletic goods mfg	—	1	1	f	D	D	D	D	D	D	D	D
	FREEBURG, IL												
31-33	Manufacturing	2	5	5	f	D	D	D	D	D	D	D	1 162

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		E ¹	Total	With 20 em- ploy- ees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
FREESPORT, IL													
31-33	Manufacturing	-	40	16	7 645	280 712	5 377	10 885	180 518	595 642	419 557	1 058 194	43 474
311	Food mfg	4	4	3	611	9 907	475	753	6 479	29 297	30 799	60 645	2 153
3119	Other food mfg	4	3	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	4	2	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg	-	1	1	g	D	D	D	D	D	D	D	D
32621	Tire mfg	-	1	1	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
335	Electrical equipment, appliance, & component mfg	-	3	2	h	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg	-	2	1	h	D	D	D	D	D	D	D	D
33593	Wiring device mfg	-	1	1	h	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device mfg	-	1	1	h	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
FULTON, IL													
31-33	Manufacturing	1	8	3	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
GALESBURG, IL													
31-33	Manufacturing	-	48	22	i	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	6	4	693	20 430	531	1 126	15 959	76 066	104 520	197 005	4 976
332	Fabricated metal product mfg	-	8	3	g	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	-	3	1	f	D	D	D	D	D	D	D	D
33231	Plate work & fabricated structural product mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
332311	Prefabricated metal building & component 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
GENEVA, IL													
31-33	Manufacturing	-	44	14	1 958	73 961	1 395	3 179	43 302	176 456	157 126	337 066	12 814
332	Fabricated metal product mfg	-	9	5	936	37 093	714	1 679	24 422	67 897	41 612	109 436	7 443
3321	Forging & stamping	-	4	2	f	D	D	D	D	D	D	D	D
33211	Forging & stamping	-	4	2	f	D	D	D	D	D	D	D	D
332117	Powder metallurgy part mfg	-	1	1	f	D	D	D	D	D	D	D	D
GENOA, IL													
31-33	Manufacturing	-	11	4	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
3342	Communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33421	Telephone apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D
334210	Telephone apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
GLENDALE HEIGHTS, IL													
31-33	Manufacturing	1	48	31	2 304	87 661	1 514	2 976	41 995	190 122	133 812	327 230	8 380
333	Machinery mfg	-	12	9	1 021	40 058	629	1 242	17 525	90 281	75 163	169 316	3 036
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	-	2	2	f	D	D	D	D	D	D	D	D
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg .	-	2	2	f	D	D	D	D	D	D	D	D
GLENVIEW, IL													
31-33	Manufacturing	3	68	15	1 481	54 243	964	2 038	31 885	102 240	119 946	222 858	8 859
333	Machinery mfg	4	14	6	564	21 839	340	700	10 246	37 367	61 107	100 568	2 687
GRANITE CITY, IL													
31-33	Manufacturing	-	28	16	5 632	234 465	4 714	9 568	184 844	813 853	1 041 198	1 857 121	38 363
331	Primary metal mfg	-	3	3	h	D	D	D	D	D	D	D	D
3311	Iron & steel mills & ferroalloy mfg	-	1	1	h	D	D	D	D	D	D	D	D
33111	Iron & steel mills & ferroalloy mfg	-	1	1	h	D	D	D	D	D	D	D	D
331111	Iron & steel mills	-	1	1	h	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
336	Transportation equipment mfg	-	1	1	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
GREENVILLE, IL													
31-33	Manufacturing	-	12	5	f	D	D	D	D	D	D	D	2 582
GURNEE, IL													
31-33	Manufacturing	2	63	26	2 769	96 465	1 811	3 417	45 535	278 780	240 729	517 641	16 405
333	Machinery mfg	-	11	5	541	24 416	311	643	11 701	46 726	49 367	96 675	2 074
339	Miscellaneous mfg	-	5	4	665	14 615	547	871	7 754	16 939	15 008	30 044	D
HARVEY, IL													
31-33	Manufacturing	-	48	20	2 361	110 430	1 452	3 365	49 891	315 510	338 786	699 190	12 198
331	Primary metal mfg	-	3	2	f	D	D	D	D	D	D	D	D
3312	Steel product mfg from purchased steel	-	2	2	f	D	D	D	D	D	D	D	D
33121	Iron & steel pipes & tubes mfg from purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
331210	Iron & steel pipes & tubes mfg from purchased steel	-	1	1	f	D	D	D	D	D	D	D	D
HARWOOD HEIGHTS, IL													
31-33	Manufacturing	-	27	19	2 304	78 611	1 639	3 236	42 512	224 582	116 873	341 099	14 896
332	Fabricated metal product mfg	-	10	5	810	27 881	668	1 447	17 627	85 039	24 231	109 518	8 393
3327	Machine shops, turned product, & screw, nut, & bolt mfg	-	6	3	538	18 544	475	1 031	12 668	68 295	15 289	84 128	D
HERRIN, IL													
31-33	Manufacturing	-	9	5	1 253	35 235	1 033	2 032	25 790	68 917	120 060	189 208	D
335	Electrical equipment, appliance, & component mfg	-	1	1	f	D	D	D	D	D	D	D	D
3352	Household appliance mfg..	-	1	1	f	D	D	D	D	D	D	D	D
33522	Major appliance mfg	-	1	1	f	D	D	D	D	D	D	D	D
335224	Household laundry equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
HIGHLAND, IL													
31-33	Manufacturing	-	28	12	2 688	76 811	1 982	4 196	43 905	223 267	184 892	404 565	5 977
332	Fabricated metal product mfg	-	4	1	g	D	D	D	D	D	D	D	D
3323	Architectural & structural metals mfg	-	1	1	g	D	D	D	D	D	D	D	D
33231	Plate work & fabricated structural product mfg ..	-	1	1	g	D	D	D	D	D	D	D	D
332312	Fabricated structural metal mfg	-	1	1	g	D	D	D	D	D	D	D	D
HIGHLAND PARK, IL													
31-33	Manufacturing	-	44	6	f	D	D	D	D	D	D	D	1 977
HILLSIDE, IL													
31-33	Manufacturing	3	33	15	1 072	42 946	788	1 601	26 511	107 127	61 679	166 187	5 301
HOFFMAN ESTATES, IL *													
31-33	Manufacturing	-	23	6	971	45 579	500	1 074	17 465	104 649	82 345	191 216	2 146
334	Computer & electronic product mfg	-	3	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
334517	Irradiation apparatus mfg	-	1	1	f	D	D	D	D	D	D	D	D
HOOPESTON, IL													
31-33	Manufacturing	-	10	6	906	24 186	760	1 537	18 011	43 104	89 573	138 565	3 848
HUNTLEY, IL *													
31-33	Manufacturing	4	26	15	1 703	62 856	1 183	2 367	37 071	154 062	222 723	370 895	13 348
333	Machinery mfg	-	6	3	624	23 566	376	703	11 858	18 096	43 873	67 934	5 187
3332	Industrial machinery mfg ..	-	2	2	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	-	2	2	f	D	D	D	D	D	D	D	D
333298	All other industrial machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
ITASCA, IL													
31-33	Manufacturing	1	63	36	5 279	198 414	3 454	7 728	108 362	586 824	523 371	1 117 660	43 782
322	Paper mfg	-	2	2	g	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	-	2	2	g	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	-	1	1	g	D	D	D	D	D	D	D	D
322211	Corrugated & solid fiber box mfg	-	1	1	g	D	D	D	D	D	D	D	D
323	Printing & related support activities	8	7	5	555	25 158	461	1 249	19 342	52 923	50 357	106 042	6 881
3231	Printing & related support activities	8	7	5	555	25 158	461	1 249	19 342	52 923	50 357	106 042	6 881
32311	Printing	8	7	5	555	25 158	461	1 249	19 342	52 923	50 357	106 042	6 881
332	Fabricated metal product mfg	1	13	7	1 259	39 888	883	1 678	23 219	92 632	67 721	157 510	8 506
3328	Coating, engraving, heat treating, & allied activities ..	1	2	1	f	D	D	D	D	D	D	D	D
33281	Coating, engraving, heat treating, & allied activities	1	2	1	f	D	D	D	D	D	D	D	D
332812	Metal coating/engraving (exc jewelry/silverware)/ allied services	1	2	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	19	8	703	32 834	377	852	13 979	79 584	60 195	141 337	4 145

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
JACKSONVILLE, IL													
31-33	Manufacturing	-	27	12	h	D	D	D	D	D	D	D	D
311	Food mfg	-	3	2	f	D	D	D	D	D	D	D	D
323	Printing & related support activities	-	6	3	792	19 413	475	957	7 997	76 419	45 033	121 242	2 138
3231	Printing & related support activities	-	6	3	792	19 413	475	957	7 997	76 419	45 033	121 242	2 138
32312	Support activities for printing	-	2	2	f	D	D	D	D	D	D	D	D
323121	Tradebinding & related work	-	2	2	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	1	1	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg ..	-	1	1	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	f	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media .	-	1	1	f	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	-	1	1	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
JOLIET, IL *													
31-33	Manufacturing	-	104	40	7 268	323 591	5 562	10 635	215 222	1 304 353	2 503 416	3 814 814	141 555
324	Petroleum & coal products mfg	-	2	2	f	D	D	D	D	D	D	D	D
3241	Petroleum & coal products mfg	-	2	2	f	D	D	D	D	D	D	D	D
32411	Petroleum refineries	-	1	1	f	D	D	D	D	D	D	D	D
324110	Petroleum refineries ..	-	1	1	f	D	D	D	D	D	D	D	D
325	Chemical mfg	-	13	9	1 267	63 465	868	1 689	36 202	476 650	391 111	875 359	84 458
3251	Basic chemical mfg	-	8	5	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	10	4	h	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	-	6	2	h	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg	-	5	2	h	D	D	D	D	D	D	D	D
333995	Fluid power cylinder & actuator mfg	-	1	1	h	D	D	D	D	D	D	D	D
KANKAKEE, IL													
31-33	Manufacturing	-	32	20	2 502	95 983	1 893	4 310	69 458	288 232	381 793	673 515	19 662
KEWANEE, IL													
31-33	Manufacturing	-	13	6	g	D	D	D	D	D	D	D	D
333	Machinery mfg	-	4	2	f	D	D	D	D	D	D	D	D
LA GRANGE, IL													
31-33	Manufacturing	1	23	8	957	29 815	592	1 148	13 456	101 985	27 046	129 811	4 923
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
334419	Other electronic component mfg	-	1	1	f	D	D	D	D	D	D	D	D
LAKE BLUFF, IL													
31-33	Manufacturing	1	31	19	1 355	49 982	872	1 570	22 472	113 971	107 807	226 383	6 561
LAKE FOREST, IL													
31-33	Manufacturing	1	28	8	676	23 729	478	889	13 409	31 399	53 655	82 608	2 542

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
LAKE ZURICH, IL													
31-33	Manufacturing	2	29	12	1 927	59 980	1 481	3 256	38 948	218 757	223 499	434 778	13 649
333	Machinery mfg	-	7	4	557	16 038	427	961	10 592	64 740	84 593	146 114	2 495
LANSING, IL													
31-33	Manufacturing	-	34	8	870	29 668	568	1 051	13 277	93 286	81 241	171 383	7 128
LA SALLE, IL													
31-33	Manufacturing	-	12	6	640	24 688	529	1 032	16 628	77 519	53 357	130 631	4 489
LEMONT, IL *													
31-33	Manufacturing	-	22	11	863	34 299	633	1 393	19 907	152 161	610 105	770 161	10 682
LIBERTYVILLE, IL													
31-33	Manufacturing	-	65	21	11 244	465 853	7 697	16 079	211 501	1 937 093	2 547 150	4 400 385	D
326	Plastics & rubber products mfg	-	5	2	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	5	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	3	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	3	2	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	12	6	f	D	D	D	D	D	D	D	4 233
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
332116	Metal stamping	-	2	2	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	6	3	i	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	3	2	i	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	2	1	i	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	2	1	i	D	D	D	D	D	D	D	D
LINCOLN, IL													
31-33	Manufacturing	-	16	4	1 304	41 718	1 098	2 228	32 288	160 718	137 455	300 435	12 164
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
LINCOLNSHIRE, IL													
31-33	Manufacturing	-	17	11	942	35 157	528	1 101	14 616	141 447	195 633	336 975	3 462
LINCOLNWOOD, IL													
31-33	Manufacturing	-	40	20	1 582	61 717	1 120	2 390	26 587	141 921	86 253	216 202	6 243
332	Fabricated metal product mfg	-	10	7	580	21 923	371	864	11 507	54 273	38 045	92 532	3 463
LISLE, IL													
31-33	Manufacturing	1	38	11	956	28 877	677	1 394	15 666	89 313	96 529	185 719	4 692
LITCHFIELD, IL													
31-33	Manufacturing	-	15	7	1 150	32 203	961	2 053	25 252	70 173	123 986	201 650	5 185
336	Transportation equipment mfg	-	1	1	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
33634	Motor vehicle brake system mfg	-	1	1	f	D	D	D	D	D	D	D	D
336340	Motor vehicle brake system mfg	-	1	1	f	D	D	D	D	D	D	D	D

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NAICS code	Geographic area and industry	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)	
		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)					Wages (\$1,000)
LOCKPORT, IL													
31-33	Manufacturing	-	20	7	561	17 908	366	752	9 650	41 958	41 523	83 637	D
LOMBARD, IL													
31-33	Manufacturing	3	102	19	1 718	62 164	1 333	2 463	40 896	146 397	97 915	246 302	8 103
LOVES PARK, IL													
31-33	Manufacturing	-	110	36	6 278	222 634	3 947	7 589	117 055	505 074	351 825	849 382	35 394
332	Fabricated metal product mfg	1	45	10	f	D	D	D	D	D	D	D	D
333	Machinery mfg	-	23	9	1 850	74 782	1 184	2 533	40 297	167 505	123 078	288 264	10 325
3336	Engine, turbine, & power transmission equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	2	2	f	D	D	D	D	D	D	D	D
333613	Mechanical power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	4	3	g	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	-	2	1	f	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	2	1	f	D	D	D	D	D	D	D	D
334411	Electron tube mfg	-	1	1	f	D	D	D	D	D	D	D	D
3345	Navigational, measuring, medical, & control instruments mfg	-	2	2	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	2	2	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	-	5	4	g	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
MCHENRY, IL													
31-33	Manufacturing	3	56	20	1 768	53 774	1 349	2 601	34 522	156 661	184 762	343 804	13 998
MACHESNEY PARK, IL													
31-33	Manufacturing	1	49	12	921	36 188	609	1 236	19 869	66 967	51 275	117 546	12 467
MACOMB, IL													
31-33	Manufacturing	-	14	4	979	32 318	821	1 662	25 880	59 507	40 416	100 086	5 354
332	Fabricated metal product mfg	-	2	1	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
332991	Ball & roller bearing mfg	-	1	1	f	D	D	D	D	D	D	D	D
MARENGO, IL													
31-33	Manufacturing	-	18	10	1 363	55 402	870	1 894	28 891	127 649	253 387	388 343	7 806
333	Machinery mfg	-	6	4	794	31 135	483	1 087	16 635	73 038	210 701	289 623	D
3339	Other general-purpose machinery mfg	-	2	1	f	D	D	D	D	D	D	D	D
33392	Material handling equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
MARION, IL *													
31-33	Manufacturing	6	24	4	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MARSHALL, IL													
31-33	Manufacturing	-	10	5	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	1	1	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
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
MATTOON, IL													
31-33	Manufacturing	-	28	12	3 906	127 607	3 215	6 592	96 185	497 769	406 700	896 167	29 176
323	Printing & related support activities.....	-	4	2	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	-	4	2	g	D	D	D	D	D	D	D	D
32311	Printing	-	4	2	g	D	D	D	D	D	D	D	D
323111	Commercial gravure printing.....	-	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	3	2	f	D	D	D	D	D	D	D	D
3351	Electric lighting equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33511	Electric lamp bulb & part mfg	-	1	1	f	D	D	D	D	D	D	D	D
335110	Electric lamp bulb & part mfg	-	1	1	f	D	D	D	D	D	D	D	D
MAYWOOD, IL													
31-33	Manufacturing	4	28	9	603	19 146	452	966	12 076	41 856	31 999	73 993	1 943
MELROSE PARK, IL													
31-33	Manufacturing	-	131	69	12 474	423 722	8 868	18 318	240 473	1 093 761	1 049 675	2 143 068	78 063
311	Food mfg	2	9	5	1 138	36 796	811	1 895	24 700	118 291	102 384	224 434	4 342
3113	Sugar & confectionery product mfg	9	1	1	f	D	D	D	D	D	D	D	D
31133	Confectionery mfg from purchased chocolate...	9	1	1	f	D	D	D	D	D	D	D	D
311330	Confectionery mfg from purchased chocolate.....	9	1	1	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	3	5	3	623	18 896	509	1 127	13 648	31 732	19 993	51 827	4 439
3231	Printing & related support activities.....	3	5	3	623	18 896	509	1 127	13 648	31 732	19 993	51 827	4 439
32311	Printing	3	5	3	623	18 896	509	1 127	13 648	31 732	19 993	51 827	4 439
325	Chemical mfg	-	8	6	1 257	60 357	447	927	14 358	392 570	148 245	522 934	34 193
3256	Soap, cleaning compound, & toilet preparation mfg ..	-	2	2	f	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg ...	-	1	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	2	48	22	1 832	63 121	1 304	2 802	38 293	137 447	93 673	234 099	8 198
3327	Machine shops, turned product, & screw, nut, & bolt mfg	3	20	9	596	19 398	441	928	12 089	36 330	22 617	59 364	2 892
333	Machinery mfg	-	14	6	1 093	53 068	824	1 708	38 053	151 851	276 967	434 088	10 919
3336	Engine, turbine, & power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	6	3	h	D	D	D	D	D	D	D	D
3344	Semiconductor & other electronic component mfg	-	3	1	h	D	D	D	D	D	D	D	D
33441	Semiconductor & other electronic component mfg	-	3	1	h	D	D	D	D	D	D	D	D
334411	Electron tube mfg	-	1	1	h	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	10	7	894	32 650	621	1 425	16 763	45 800	67 817	113 394	2 122
3399	Other miscellaneous mfg ..	-	9	6	f	D	D	D	D	D	D	D	D

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
31-33	MENDOTA, IL												
	Manufacturing	2	14	8	1 245	39 722	988	2 103	30 035	111 025	162 000	274 575	10 493
	MILAN, IL												
31-33	Manufacturing	1	24	9	769	24 108	615	1 286	14 093	57 983	52 295	108 961	D
	MOKENA, IL												
31-33	Manufacturing	3	48	11	1 054	45 785	748	1 788	27 659	118 155	98 050	215 848	8 997
	MOLINE, IL												
31-33	Manufacturing	—	61	16	2 150	89 735	1 463	3 077	56 801	237 831	278 888	500 430	18 691
333	Machinery mfg	—	15	7	1 260	60 717	857	1 905	40 360	163 819	212 202	359 901	D
3331	Agriculture, construction, & mining machinery mfg	—	5	2	f	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg	—	4	2	f	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg	—	4	2	f	D	D	D	D	D	D	D	D
	MONTGOMERY, IL *												
31-33	Manufacturing	—	20	12	1 511	56 757	1 090	2 424	30 666	154 958	139 191	295 363	12 906
	MORRIS, IL												
31-33	Manufacturing	—	16	7	804	31 112	609	1 376	20 962	135 676	167 512	304 826	12 299
	MORRISON, IL												
31-33	Manufacturing	—	6	3	802	23 519	736	1 378	20 721	48 613	44 161	93 138	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
33593	Wiring device mfg	—	1	1	f	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device mfg	—	1	1	f	D	D	D	D	D	D	D	D
	MORTON, IL												
31-33	Manufacturing	1	23	15	1 592	47 295	1 301	2 658	32 649	140 256	113 812	256 782	9 963
332	Fabricated metal product mfg	—	10	8	1 180	34 264	982	2 005	24 112	82 080	66 042	151 243	D
3323	Architectural & structural metals mfg	—	3	3	f	D	D	D	D	D	D	D	D
33232	Ornamental & architectural metal products mfg	—	1	1	f	D	D	D	D	D	D	D	D
332322	Sheet metal work mfg	—	1	1	f	D	D	D	D	D	D	D	D
	MORTON GROVE, IL												
31-33	Manufacturing	1	54	20	5 301	184 767	3 474	7 073	102 371	717 167	411 468	1 135 713	34 846
323	Printing & related support activities	9	11	2	588	25 972	405	824	15 323	53 845	37 295	91 239	D
3231	Printing & related support activities	9	11	2	588	25 972	405	824	15 323	53 845	37 295	91 239	D
32311	Printing	9	10	2	f	D	D	D	D	D	D	D	D
325	Chemical mfg	—	4	2	f	D	D	D	D	D	D	D	D
3256	Soap, cleaning compound, & toilet preparation mfg ..	—	2	1	f	D	D	D	D	D	D	D	D
32562	Toilet preparation mfg	—	1	1	f	D	D	D	D	D	D	D	D
325620	Toilet preparation mfg	—	1	1	f	D	D	D	D	D	D	D	D
333	Machinery mfg	—	4	3	f	D	D	D	D	D	D	D	D
3339	Other general-purpose machinery mfg	—	1	1	f	D	D	D	D	D	D	D	D
33391	Pump & compressor mfg	—	1	1	f	D	D	D	D	D	D	D	D
333911	Pump & pumping equipment mfg	—	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	—	9	4	2 317	75 011	1 250	2 330	32 248	157 166	133 430	294 382	20 384
3399	Other miscellaneous mfg ..	—	5	4	2 289	73 654	1 236	2 305	31 728	154 077	132 095	289 781	20 206
33999	All other miscellaneous mfg	—	1	1	g	D	D	D	D	D	D	D	D
339991	Gasket, packing, & sealing device mfg ...	—	1	1	g	D	D	D	D	D	D	D	D

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
MOUNT CARMEL, IL													
31-33	Manufacturing	1	15	4	611	20 454	466	836	13 401	40 621	15 580	55 801	2 296
MOUNT MORRIS, IL													
31-33	Manufacturing	-	2	2	f	D	D	D	D	D	D	D	D
323	Printing & related support activities.....	-	2	2	f	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	-	2	2	f	D	D	D	D	D	D	D	D
32311	Printing	-	1	1	f	D	D	D	D	D	D	D	D
323111	Commercial gravure printing.....	-	1	1	f	D	D	D	D	D	D	D	D
MOUNT PROSPECT, IL													
31-33	Manufacturing	-	46	17	3 457	134 787	1 200	2 223	36 990	270 726	298 701	553 445	46 133
333	Machinery mfg	-	7	3	1 651	63 076	321	631	11 010	84 714	134 440	225 436	8 809
3333	Commercial & service industry machinery mfg ..	-	2	2	g	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	-	2	2	g	D	D	D	D	D	D	D	D
333313	Office machinery mfg ..	-	2	2	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	3	2	f	D	D	D	D	D	D	D	D
MOUNT VERNON, IL													
31-33	Manufacturing	-	29	11	2 841	103 254	2 277	4 414	76 515	368 582	363 908	738 176	23 108
326	Plastics & rubber products mfg	-	1	1	g	D	D	D	D	D	D	D	D
3262	Rubber product mfg	-	1	1	g	D	D	D	D	D	D	D	D
32621	Tire mfg	-	1	1	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
MUNDELEIN, IL													
31-33	Manufacturing	2	92	38	3 691	124 471	2 647	5 468	70 780	305 034	248 037	553 339	22 626
326	Plastics & rubber products mfg	-	9	6	550	18 757	383	873	12 207	51 331	44 466	93 296	D
3261	Plastics product mfg	-	9	6	550	18 757	383	873	12 207	51 331	44 466	93 296	D
NAPERVILLE, IL *													
31-33	Manufacturing	1	84	26	2 334	80 389	1 658	3 134	47 092	193 251	156 215	348 942	14 005
323	Printing & related support activities.....	-	20	4	611	22 675	443	751	11 907	52 807	22 294	75 035	2 072
3231	Printing & related support activities.....	-	20	4	611	22 675	443	751	11 907	52 807	22 294	75 035	2 072
32311	Printing	-	18	4	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	11	3	539	20 743	396	664	10 761	47 934	20 513	68 385	1 856
NEWTON, IL													
31-33	Manufacturing	7	8	5	f	D	D	D	D	D	D	D	1 559
NILES, IL													
31-33	Manufacturing	1	102	54	6 376	242 445	3 939	8 057	128 110	588 352	447 926	1 023 305	32 262
323	Printing & related support activities.....	-	27	7	914	44 605	635	1 337	26 441	79 732	46 003	121 429	3 939
3231	Printing & related support activities.....	-	27	7	914	44 605	635	1 337	26 441	79 732	46 003	121 429	3 939
32311	Printing	-	25	7	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	15	4	680	35 775	460	1 009	20 757	65 302	37 172	98 245	3 070
332	Fabricated metal product mfg	1	19	10	757	24 673	589	1 157	15 685	71 713	40 254	111 418	2 113
333	Machinery mfg	1	11	8	1 421	51 903	476	983	19 486	126 321	101 593	223 125	2 167
3332	Industrial machinery mfg ..	-	3	2	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	-	3	2	f	D	D	D	D	D	D	D	D
333293	Printing machinery & equipment mfg	-	2	1	f	D	D	D	D	D	D	D	D
NORMAL, IL													
31-33	Manufacturing	-	19	6	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
NORRIDGE, IL													
31-33	Manufacturing	-	21	11	841	23 299	689	1 217	13 648	48 441	32 248	80 116	2 279
NORTH AURORA, IL													
31-33	Manufacturing	1	21	8	788	27 892	414	867	12 608	54 283	72 581	127 816	5 205
333	Machinery mfg	-	4	4	528	18 559	280	596	8 574	26 879	48 749	76 661	2 268
NORTHBROOK, IL													
31-33	Manufacturing	1	123	43	4 672	161 100	3 262	6 893	91 428	474 909	368 197	840 262	40 658
333	Machinery mfg	-	14	9	688	23 709	373	761	11 542	51 902	48 182	97 296	1 949
334	Computer & electronic product mfg	-	12	7	f	D	D	D	D	D	D	D	D
3346	Mfg & reproducing magnetic & optical media .	-	3	2	f	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media	-	3	2	f	D	D	D	D	D	D	D	D
334612	Prerecorded CD (except software), tape, & record reproducing	-	3	2	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	6	3	691	25 991	392	831	12 496	23 752	61 844	85 377	2 534
NORTH CHICAGO, IL													
31-33	Manufacturing	-	28	12	1 606	51 735	1 202	2 787	31 546	130 015	226 315	356 554	6 046
331	Primary metal mfg	-	3	3	578	16 248	464	1 043	10 754	26 724	117 547	144 554	D
NORTHFIELD, IL													
31-33	Manufacturing	7	16	4	719	25 676	586	1 560	18 419	99 748	124 161	223 338	4 533
312	Beverage & tobacco product mfg	9	1	1	f	D	D	D	D	D	D	D	D
3121	Beverage mfg	9	1	1	f	D	D	D	D	D	D	D	D
31211	Soft drink & ice mfg	9	1	1	f	D	D	D	D	D	D	D	D
312111	Soft drink mfg	9	1	1	f	D	D	D	D	D	D	D	D
NORTHLAKE, IL													
31-33	Manufacturing	2	28	16	3 533	118 582	2 939	6 513	83 763	340 136	426 798	764 178	40 791
311	Food mfg	9	3	2	g	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	9	3	2	g	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	9	3	2	g	D	D	D	D	D	D	D	D
311812	Commercial bakeries .	9	2	2	g	D	D	D	D	D	D	D	D
322	Paper mfg	-	7	6	605	23 337	456	1 081	15 759	50 607	88 942	138 598	5 770
3222	Converted paper product mfg	-	7	6	605	23 337	456	1 081	15 759	50 607	88 942	138 598	5 770
326	Plastics & rubber products mfg	-	3	2	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	2	1	f	D	D	D	D	D	D	D	D
32611	Unsupported plastics film, sheet, & bag mfg ..	-	1	1	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
OAK BROOK, IL *													
31-33	Manufacturing	-	17	7	2 068	52 415	1 767	3 376	36 275	220 093	205 653	432 740	D
311	Food mfg	-	2	2	g	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	-	1	1	g	D	D	D	D	D	D	D	D
31141	Frozen food mfg	-	1	1	g	D	D	D	D	D	D	D	D
311411	Frozen fruit, juice, & vegetable mfg	-	1	1	g	D	D	D	D	D	D	D	D
OAK FOREST, IL													
31-33	Manufacturing	-	22	5	519	16 112	397	662	9 419	46 884	40 192	85 717	5 006
OAK LAWN, IL													
31-33	Manufacturing	5	31	8	527	17 460	349	723	9 060	30 654	27 435	57 069	2 244

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
OAK PARK, IL													
31-33	Manufacturing	7	43	6	679	22 286	512	1 058	14 407	49 041	34 182	82 819	9 134
OREGON, IL													
31-33	Manufacturing	-	9	5	745	29 497	453	1 212	15 893	50 859	68 738	124 701	2 415
333	Machinery mfg	-	2	2	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
333111	Farm machinery & equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
ORLAND PARK, IL *													
31-33	Manufacturing	-	55	7	2 195	92 432	1 082	2 661	36 269	359 992	103 612	477 744	32 165
335	Electrical equipment, appliance, & component mfg	-	1	1	g	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg	-	1	1	g	D	D	D	D	D	D	D	D
33592	Communication & energy wire & cable mfg	-	1	1	g	D	D	D	D	D	D	D	D
335929	Other communication & energy wire mfg ...	-	1	1	g	D	D	D	D	D	D	D	D
OTTAWA, IL													
31-33	Manufacturing	-	24	9	818	23 995	571	1 168	14 966	54 605	64 867	120 421	4 799
PALATINE, IL													
31-33	Manufacturing	2	76	21	2 830	91 880	2 136	4 754	54 896	258 005	191 516	453 592	16 659
332	Fabricated metal product mfg	3	20	4	553	18 685	441	956	13 437	45 871	32 180	77 579	6 632
335	Electrical equipment, appliance, & component mfg	-	1	1	g	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
335221	Household cooking appliance mfg	-	1	1	g	D	D	D	D	D	D	D	D
PARIS, IL													
31-33	Manufacturing	1	22	10	1 301	30 918	1 029	2 113	20 722	90 888	147 592	223 783	7 982
326	Plastics & rubber products mfg	-	6	5	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	6	5	f	D	D	D	D	D	D	D	D
PAXTON, IL													
31-33	Manufacturing	1	9	4	f	D	D	D	D	D	D	D	969
PEKIN, IL *													
31-33	Manufacturing	1	28	10	f	D	D	D	D	D	D	D	8 688
PEORIA, IL													
31-33	Manufacturing	-	113	49	5 666	197 347	3 473	6 998	108 012	541 527	864 495	1 381 598	46 651
311	Food mfg	-	9	7	605	24 389	289	585	9 468	104 836	55 118	159 949	D
323	Printing & related support activities.....	1	31	13	g	D	D	D	D	D	D	D	D
3231	Printing & related support activities.....	1	31	13	g	D	D	D	D	D	D	D	D
32311	Printing	1	28	13	g	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	15	10	g	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	24	9	874	26 522	541	1 089	13 682	92 163	83 163	168 166	5 520
333	Machinery mfg	-	4	2	g	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
33312	Construction machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
333120	Construction machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
PERU, IL													
31-33	Manufacturing	-	19	11	1 103	39 328	806	1 768	24 181	133 136	174 440	309 566	17 366
PINCKNEYVILLE, IL													
31-33	Manufacturing	-	5	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
3346	Mfg & reproducing magnetic & optical media ..	-	1	1	f	D	D	D	D	D	D	D	D
33461	Mfg & reproducing magnetic & optical media ..	-	1	1	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
PLAINFIELD, IL													
31-33	Manufacturing	2	20	9	712	20 653	565	1 351	15 338	52 389	68 255	120 416	3 021
PLANO, IL													
31-33	Manufacturing	-	9	4	900	23 061	761	1 503	14 785	95 342	39 249	136 176	D
326	Plastics & rubber products mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
PONTIAC, IL													
31-33	Manufacturing	-	15	9	2 475	104 293	1 878	3 734	73 144	340 477	253 253	599 111	39 788
323	Printing & related support activities.....	1	4	3	878	30 345	671	1 285	23 841	70 684	33 368	103 646	D
3231	Printing & related support activities.....	1	4	3	878	30 345	671	1 285	23 841	70 684	33 368	103 646	D
32311	Printing	-	3	2	f	D	D	D	D	D	D	D	D
323110	Commercial lithographic printing ..	-	3	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg.....	-	2	2	g	D	D	D	D	D	D	D	D
3336	Engine, turbine, & power transmission equipment mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg.....	-	1	1	f	D	D	D	D	D	D	D	D
PRINCETON, IL													
31-33	Manufacturing	-	13	6	1 273	37 168	1 010	1 786	25 410	159 051	86 555	248 821	7 208
QUINCY, IL													
31-33	Manufacturing	-	57	17	2 995	96 638	2 092	4 337	48 914	405 817	369 792	773 970	32 383
333	Machinery mfg.....	-	6	5	1 300	34 417	1 083	2 430	25 496	96 545	90 338	184 528	D
3331	Agriculture, construction, & mining machinery mfg....	-	2	2	g	D	D	D	D	D	D	D	D
33311	Agricultural implement mfg.....	-	2	2	g	D	D	D	D	D	D	D	D
333111	Farm machinery & equipment mfg.....	-	2	2	g	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg.....	-	6	2	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg.....	-	4	2	f	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg.....	-	3	2	f	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg.....	-	3	2	f	D	D	D	D	D	D	D	D

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
RANTOUL, IL													
31-33	Manufacturing	2	17	11	4 211	98 371	3 277	6 033	68 035	402 845	312 293	760 098	21 807
321	Wood product mfg	-	2	2	g	D	D	D	D	D	D	D	D
3219	Other wood product mfg ...	-	2	2	g	D	D	D	D	D	D	D	D
32191	Millwork	-	2	2	g	D	D	D	D	D	D	D	D
321911	Wood window & door mfg	-	2	2	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	3	3	g	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	3	3	g	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	-	3	3	g	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	3	3	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	9	1	1	f	D	D	D	D	D	D	D	D
3399	Other miscellaneous mfg ..	9	1	1	f	D	D	D	D	D	D	D	D
33992	Sporting & athletic goods mfg	9	1	1	f	D	D	D	D	D	D	D	D
339920	Sporting & athletic goods mfg	9	1	1	f	D	D	D	D	D	D	D	D
RIVERDALE, IL													
31-33	Manufacturing	-	15	9	1 530	75 635	1 129	2 606	53 482	196 315	276 982	453 971	D
331	Primary metal mfg	-	3	2	g	D	D	D	D	D	D	D	D
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
RIVER GROVE, IL													
31-33	Manufacturing	-	22	7	591	18 853	442	901	10 627	51 872	26 371	78 429	2 354
ROBINSON, IL													
31-33	Manufacturing	-	12	5	g	D	D	D	D	D	D	D	D
311	Food mfg	-	1	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
31132	Chocolate & confectionery mfg from cacao beans	-	1	1	f	D	D	D	D	D	D	D	D
311320	Chocolate & confectionery mfg from cacao beans ...	-	1	1	f	D	D	D	D	D	D	D	D
ROCHELLE, IL													
31-33	Manufacturing	-	22	10	2 386	61 442	2 025	4 110	47 085	189 271	396 974	586 494	12 881
311	Food mfg	-	4	3	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	-	1	1	g	D	D	D	D	D	D	D	D
ROCK FALLS, IL													
31-33	Manufacturing	-	20	8	554	12 492	446	744	8 723	60 167	46 763	107 108	1 948

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ROCKFORD, IL													
31-33	Manufacturing	1	477	198	26 100	998 788	17 445	37 445	555 384	2 524 850	2 020 610	4 467 379	150 689
325	Chemical mfg	-	11	5	f	D	D	D	D	D	D	D	D
3255	Paint, coating, & adhesive mfg	-	5	3	f	D	D	D	D	D	D	D	D
32551	Paint & coating mfg	-	5	3	f	D	D	D	D	D	D	D	D
325510	Paint & coating mfg	-	5	3	f	D	D	D	D	D	D	D	D
331	Primary metal mfg	-	10	8	602	19 247	499	1 060	14 935	52 144	154 541	207 803	3 854
332	Fabricated metal product mfg	-	198	84	9 586	322 676	7 798	16 290	228 217	766 196	498 999	1 272 454	46 546
3325	Hardware mfg	2	6	4	g	D	D	D	D	D	D	D	D
33251	Hardware mfg	2	6	4	g	D	D	D	D	D	D	D	D
332510	Hardware mfg	2	6	4	g	D	D	D	D	D	D	D	D
3326	Spring & wire product mfg	-	6	4	526	13 227	421	881	7 976	27 597	15 272	42 265	1 439
33261	Spring & wire product mfg	-	6	4	526	13 227	421	881	7 976	27 597	15 272	42 265	1 439
3327	Machine shops, turned product, & screw, nut, & bolt mfg	-	116	43	4 690	177 867	3 892	8 707	130 977	425 285	249 884	670 412	31 357
33271	Machine shops	-	82	21	g	D	D	D	D	D	D	D	D
332710	Machine shops	-	82	21	g	D	D	D	D	D	D	D	D
33272	Turned product & screw, nut, & bolt mfg	-	34	22	h	D	D	D	D	D	D	D	D
332722	Bolt, nut, screw, rivet, & washer mfg	-	19	14	h	D	D	D	D	D	D	D	D
3328	Coating, engraving, heat treating, & allied activities	-	25	10	537	16 495	425	936	10 364	31 805	10 773	42 735	1 816
33281	Coating, engraving, heat treating, & allied activities	-	25	10	537	16 495	425	936	10 364	31 805	10 773	42 735	1 816
3329	Other fabricated metal product mfg	-	17	9	621	20 202	504	1 045	14 134	44 335	51 871	96 434	2 146
333	Machinery mfg	2	109	50	7 220	285 421	4 440	9 945	156 598	643 449	475 747	1 081 827	34 161
3332	Industrial machinery mfg ..	1	9	5	551	21 186	298	710	10 072	51 353	33 328	81 566	D
3335	Metalworking machinery mfg	4	63	25	4 049	165 903	2 368	5 662	93 471	349 474	251 153	590 225	20 408
33351	Metalworking machinery mfg	4	63	25	4 049	165 903	2 368	5 662	93 471	349 474	251 153	590 225	20 408
333512	Machine tool (metal cutting types) mfg ...	9	11	6	g	D	D	D	D	D	D	D	D
333514	Special die & tool, die set, jig, & fixture mfg ..	-	23	7	518	23 761	387	909	14 444	53 947	30 049	82 864	2 747
333515	Cutting tool & machine tool accessory mfg ..	-	14	3	838	33 307	453	1 057	16 714	106 887	48 736	152 548	5 672
3339	Other general-purpose machinery mfg	-	23	10	1 677	55 649	1 162	2 244	30 999	123 996	107 635	234 590	5 856
33399	All other general-purpose machinery mfg	-	19	9	g	D	D	D	D	D	D	D	D
333996	Fluid power pump & motor mfg	-	4	3	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	10	5	g	D	D	D	D	D	D	D	4 459
3353	Electrical equipment mfg ..	-	7	3	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg	-	7	3	f	D	D	D	D	D	D	D	D
336	Transportation equipment mfg	-	18	9	4 050	225 636	1 544	3 555	70 020	577 443	395 779	929 764	D
3363	Motor vehicle parts mfg ...	1	15	7	f	D	D	D	D	D	D	D	D
3364	Aerospace product & parts mfg	-	3	2	h	D	D	D	D	D	D	D	D
33641	Aerospace product & parts mfg	-	3	2	h	D	D	D	D	D	D	D	D
336413	Other aircraft part & auxiliary equipment mfg	-	3	2	h	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	27	5	f	D	D	D	D	D	D	D	D
ROCK ISLAND, IL													
31-33	Manufacturing	1	58	20	1 927	47 720	1 567	3 035	33 715	137 352	102 475	238 529	8 873
ROCKTON, IL													
31-33	Manufacturing	-	9	2	f	D	D	D	D	D	D	D	6 626
333	Machinery mfg	-	4	1	f	D	D	D	D	D	D	D	D
3332	Industrial machinery mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
33329	Other industrial machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D
333294	Food product machinery mfg	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
ROLLING MEADOWS, IL													
31-33	Manufacturing	-	59	19	4 247	204 711	1 672	3 439	47 652	375 422	235 213	601 795	41 928
334	Computer & electronic product mfg	-	9	4	2 773	153 728	588	1 242	18 292	259 634	119 375	369 651	D
3345	Navigational, measuring, medical, & control instruments mfg	-	4	3	h	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	4	3	h	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	2	2	h	D	D	D	D	D	D	D	D
ROMEOVILLE, IL													
31-33	Manufacturing	1	39	18	1 772	64 472	1 218	2 526	35 997	136 496	178 270	314 020	9 541
333	Machinery mfg	-	7	4	528	23 087	287	596	9 525	37 690	38 772	76 920	1 945
ROSELLE, IL *													
31-33	Manufacturing	1	49	14	1 021	33 425	790	1 573	21 388	83 269	52 396	135 935	5 202
ROSEMONT, IL													
31-33	Manufacturing	-	38	9	1 017	36 793	724	1 405	16 540	76 565	42 719	120 152	3 371
ST. CHARLES, IL *													
31-33	Manufacturing	-	118	67	7 053	238 717	4 935	9 374	131 064	764 899	597 359	1 360 699	35 380
311	Food mfg	-	9	7	1 089	35 679	856	1 579	23 864	293 384	212 476	506 359	7 536
323	Printing & related support activities	-	17	5	595	22 555	460	936	14 538	63 741	51 082	114 776	2 082
3231	Printing & related support activities	-	17	5	595	22 555	460	936	14 538	63 741	51 082	114 776	2 082
32311	Printing	-	17	5	595	22 555	460	936	14 538	63 741	51 082	114 776	2 082
326	Plastics & rubber products mfg	2	16	12	854	25 010	672	1 325	14 623	50 024	44 464	94 775	3 711
3261	Plastics product mfg	2	16	12	854	25 010	672	1 325	14 623	50 024	44 464	94 775	3 711
32619	Other plastics product mfg	2	12	10	746	22 338	598	1 144	13 005	43 699	37 896	81 801	D
326199	All other plastics product mfg	2	12	10	746	22 338	598	1 144	13 005	43 699	37 896	81 801	D
332	Fabricated metal product mfg	1	22	13	595	18 581	437	883	11 672	40 449	27 107	68 211	2 416
333	Machinery mfg	1	18	11	655	27 355	446	897	17 179	49 848	39 491	88 470	4 476
334	Computer & electronic product mfg	-	4	3	g	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	2	2	g	D	D	D	D	D	D	D	D
33429	Other communications equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
334290	Other communications equipment mfg	-	1	1	g	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	5	4	876	31 658	367	792	10 035	61 952	50 439	111 032	D
3359	Other electrical equipment & component mfg	-	1	1	f	D	D	D	D	D	D	D	D
33599	All other electrical equipment & component mfg	-	1	1	f	D	D	D	D	D	D	D	D
335999	All other miscellaneous electrical equipment & component mfg	-	1	1	f	D	D	D	D	D	D	D	D
SALEM, IL													
31-33	Manufacturing	-	18	11	1 642	46 725	1 305	2 742	31 532	182 890	122 361	306 323	12 860
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
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

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
	SANDWICH, IL *												
31-33	Manufacturing	-	16	6	833	23 790	584	1 074	12 887	41 496	27 124	68 829	3 240
	SCHAUMBURG, IL *												
31-33	Manufacturing	1	190	52	8 709	404 787	3 760	7 880	117 741	920 387	533 575	1 448 140	61 062
332	Fabricated metal product mfg	1	44	9	797	30 651	607	1 188	22 212	65 713	46 393	112 128	5 876
333	Machinery mfg	2	38	14	1 279	55 570	842	1 878	31 594	121 103	69 185	190 032	7 820
3335	Metalworking machinery mfg	1	28	10	792	37 548	544	1 276	23 135	75 808	34 042	110 829	6 147
33351	Metalworking machinery mfg	1	28	10	792	37 548	544	1 276	23 135	75 808	34 042	110 829	6 147
334	Computer & electronic product mfg	-	14	4	h	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	1	1	h	D	D	D	D	D	D	D	D
33422	Radio & TV broadcasting & wireless communications equipment mfg	-	1	1	h	D	D	D	D	D	D	D	D
334220	Radio & TV broadcasting & wireless communications equipment mfg	-	1	1	h	D	D	D	D	D	D	D	D
	SCHILLER PARK, IL												
31-33	Manufacturing	-	94	53	5 767	210 579	3 918	8 385	124 102	512 125	324 104	833 360	28 789
311	Food mfg	-	1	1	f	D	D	D	D	D	D	D	D
3118	Bakeries & tortilla mfg	-	1	1	f	D	D	D	D	D	D	D	D
31181	Bread & bakery product mfg	-	1	1	f	D	D	D	D	D	D	D	D
311812	Commercial bakeries ..	-	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	36	23	2 226	78 178	1 692	3 817	52 870	169 453	130 227	296 960	16 390
3321	Forging & stamping	-	9	8	1 195	42 458	1 017	2 321	30 845	89 094	75 745	163 253	10 584
33211	Forging & stamping	-	9	8	1 195	42 458	1 017	2 321	30 845	89 094	75 745	163 253	10 584
332116	Metal stamping	-	7	7	g	D	D	D	D	D	D	D	D
333	Machinery mfg	1	23	12	886	37 564	562	1 342	21 967	57 026	58 445	115 012	3 351
3335	Metalworking machinery mfg	1	14	7	500	21 000	338	768	13 618	38 581	27 327	64 263	1 974
33351	Metalworking machinery mfg	1	14	7	500	21 000	338	768	13 618	38 581	27 327	64 263	1 974
337	Furniture & related product mfg	-	2	1	f	D	D	D	D	D	D	D	D
3372	Office furniture (including fixtures) mfg	-	1	1	f	D	D	D	D	D	D	D	D
33721	Office furniture (including fixtures) mfg	-	1	1	f	D	D	D	D	D	D	D	D
337214	Office furniture (except wood) mfg	-	1	1	f	D	D	D	D	D	D	D	D
	SHELBYVILLE, IL												
31-33	Manufacturing	-	7	3	1 125	31 286	979	2 348	25 803	102 073	99 808	200 340	D
322	Paper mfg	-	1	1	f	D	D	D	D	D	D	D	D
3222	Converted paper product mfg	-	1	1	f	D	D	D	D	D	D	D	D
32221	Paperboard container mfg	-	1	1	f	D	D	D	D	D	D	D	D
322215	Nonfolding sanitary food container mfg ...	-	1	1	f	D	D	D	D	D	D	D	D

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
SKOKIE, IL													
31-33	Manufacturing	1	212	70	9 083	310 097	6 352	12 399	165 565	1 176 843	638 479	1 815 451	54 608
311	Food mfg	5	17	7	559	12 672	397	941	7 066	51 952	59 624	111 240	2 791
323	Printing & related support activities	1	30	8	619	24 332	417	817	14 936	42 041	26 284	67 405	12 346
3231	Printing & related support activities	1	30	8	619	24 332	417	817	14 936	42 041	26 284	67 405	12 346
32311	Printing	1	25	6	534	20 505	377	739	13 587	35 764	24 834	59 693	12 115
332	Fabricated metal product mfg	1	46	16	1 474	50 313	1 091	2 185	29 961	119 659	71 725	192 097	5 329
3327	Machine shops, turned product, & screw, nut, & bolt mfg	5	23	5	507	18 185	412	731	11 530	30 835	22 026	52 924	1 642
333	Machinery mfg	4	29	8	657	24 268	440	930	14 045	53 717	35 727	89 058	4 175
334	Computer & electronic product mfg	-	15	6	1 254	46 194	759	1 490	23 275	154 992	45 323	202 752	4 334
3345	Navigational, measuring, medical, & control instruments mfg	-	7	3	f	D	D	D	D	D	D	D	D
33451	Navigational, measuring, medical, & control instruments mfg	-	7	3	f	D	D	D	D	D	D	D	D
334511	Search, detection, navigation, & guidance instrument mfg	-	1	1	f	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	35	8	2 511	89 701	1 773	3 083	42 992	256 874	130 519	385 318	D
3399	Other miscellaneous mfg ..	-	11	2	g	D	D	D	D	D	D	D	D
33999	All other miscellaneous mfg	-	4	1	g	D	D	D	D	D	D	D	D
339991	Gasket, packing, & sealing device mfg...	-	3	1	g	D	D	D	D	D	D	D	D
SOUTH BELOIT, IL													
31-33	Manufacturing	-	37	17	1 983	62 828	1 538	2 900	40 768	122 812	85 176	211 725	8 582
333	Machinery mfg	-	8	7	869	28 068	681	1 347	19 376	43 612	41 178	82 021	2 125
3335	Metalworking machinery mfg	-	4	4	535	17 247	406	765	11 728	33 428	14 466	47 071	D
33351	Metalworking machinery mfg	-	4	4	535	17 247	406	765	11 728	33 428	14 466	47 071	D
SOUTH ELGIN, IL													
31-33	Manufacturing	-	48	19	1 962	65 527	1 608	3 485	44 673	148 284	96 781	243 901	14 638
326	Plastics & rubber products mfg	-	7	6	977	28 782	879	1 847	21 893	63 585	43 896	107 369	7 934
3261	Plastics product mfg	-	7	6	977	28 782	879	1 847	21 893	63 585	43 896	107 369	7 934
32619	Other plastics product mfg	-	6	5	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	6	5	f	D	D	D	D	D	D	D	D
SOUTH HOLLAND, IL													
31-33	Manufacturing	2	58	23	2 168	69 666	1 579	3 241	43 584	169 068	198 349	366 899	18 958
332	Fabricated metal product mfg	-	12	5	561	15 447	460	807	10 399	38 477	31 164	69 965	3 659
SPARTA, IL													
31-33	Manufacturing	-	6	4	f	D	D	D	D	D	D	D	D
SPRINGFIELD, IL													
31-33	Manufacturing	-	84	29	2 850	82 226	1 989	3 862	47 065	211 854	252 523	462 909	16 598
333	Machinery mfg	-	8	3	g	D	D	D	D	D	D	D	D
3333	Commercial & service industry machinery mfg ..	-	2	1	f	D	D	D	D	D	D	D	D
33331	Commercial & service industry machinery mfg	-	2	1	f	D	D	D	D	D	D	D	D
333319	Other commercial & service industry machinery mfg	-	2	1	f	D	D	D	D	D	D	D	D
334	Computer & electronic product mfg	-	6	4	552	14 478	342	590	5 915	37 138	19 901	57 388	D

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		E ¹	Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
SPRING GROVE, IL													
31-33	Manufacturing	1	31	10	693	22 922	501	1 069	13 251	66 033	41 387	107 484	3 709
STEGER, IL *													
31-33	Manufacturing	-	19	7	511	17 382	365	794	10 147	40 493	36 620	77 228	5 559
STERLING, IL													
31-33	Manufacturing	-	20	7	3 049	126 676	2 583	5 694	94 899	226 595	552 395	795 238	20 962
331	Primary metal mfg	-	1	1	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
332	Fabricated metal product mfg	-	10	4	g	D	D	D	D	D	D	D	D
3325	Hardware mfg	1	2	2	g	D	D	D	D	D	D	D	D
33251	Hardware mfg	1	2	2	g	D	D	D	D	D	D	D	D
332510	Hardware mfg	1	2	2	g	D	D	D	D	D	D	D	D
STREAMWOOD, IL													
31-33	Manufacturing	-	45	7	918	36 809	625	1 368	19 095	84 209	66 618	148 439	5 585
STREATOR, IL *													
31-33	Manufacturing	-	20	12	1 413	43 568	1 145	2 192	32 737	101 438	140 450	241 613	4 425
SULLIVAN, IL													
31-33	Manufacturing	2	10	4	f	D	D	D	D	D	D	D	5 971
333	Machinery mfg	-	3	2	f	D	D	D	D	D	D	D	D
SUMMIT, IL													
31-33	Manufacturing	5	15	5	1 158	51 558	802	1 942	34 569	401 758	547 324	920 175	59 411
SYCAMORE, IL													
31-33	Manufacturing	-	30	16	1 665	47 997	1 199	2 153	26 599	152 370	192 748	346 257	5 378
TINLEY PARK, IL *													
31-33	Manufacturing	-	33	11	1 140	40 188	820	1 582	26 701	104 667	91 476	197 128	4 167
335	Electrical equipment, appliance, & component mfg	-	2	1	f	D	D	D	D	D	D	D	D
3359	Other electrical equipment & component mfg	-	2	1	f	D	D	D	D	D	D	D	D
33593	Wiring device mfg	-	2	1	f	D	D	D	D	D	D	D	D
335932	Noncurrent-carrying wiring device mfg	-	1	1	f	D	D	D	D	D	D	D	D
UNIVERSITY PARK, IL *													
31-33	Manufacturing	-	13	10	1 357	44 052	912	1 907	23 006	115 661	112 625	224 953	11 739
334	Computer & electronic product mfg	-	1	1	f	D	D	D	D	D	D	D	D
3342	Communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33429	Other communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
334290	Other communications equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
URBANA, IL													
31-33	Manufacturing	-	33	12	g	D	D	D	D	D	D	D	D
VANDALIA, IL													
31-33	Manufacturing	-	12	7	g	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	1	1	f	D	D	D	D	D	D	D	D
3261	Plastics product mfg	-	1	1	f	D	D	D	D	D	D	D	D
32616	Plastics bottle mfg	-	1	1	f	D	D	D	D	D	D	D	D
326160	Plastics bottle mfg	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
VERNON HILLS, IL													
31-33	Manufacturing	-	18	8	1 424	52 579	742	1 402	17 522	179 070	165 284	347 846	D
334	Computer & electronic product mfg	-	5	3	996	35 178	475	807	8 559	109 244	126 054	240 319	D
3341	Computer & peripheral equipment mfg	-	2	1	f	D	D	D	D	D	D	D	D
33411	Computer & peripheral equipment mfg	-	2	1	f	D	D	D	D	D	D	D	D
334119	Other computer peripheral equipment mfg	-	2	1	f	D	D	D	D	D	D	D	D
VILLA PARK, IL													
31-33	Manufacturing	2	77	11	1 041	33 573	750	1 438	19 367	79 212	34 144	112 902	3 926
WATSEKA, IL													
31-33	Manufacturing	-	11	6	1 094	29 636	806	1 741	18 711	55 421	100 702	156 569	3 875
WAUCONDA, IL													
31-33	Manufacturing	3	76	17	2 458	61 161	1 946	3 274	37 969	124 812	121 023	249 019	16 000
327	Nonmetallic mineral product mfg	9	3	1	f	D	D	D	D	D	D	D	D
3271	Clay product & refractory mfg	9	1	1	f	D	D	D	D	D	D	D	D
32711	Pottery, ceramics, & plumbing fixture mfg ...	9	1	1	f	D	D	D	D	D	D	D	D
327112	Vitreous china, fine earthenware, & other pottery product mfg ..	9	1	1	f	D	D	D	D	D	D	D	D
332	Fabricated metal product mfg	-	24	8	783	24 329	627	1 236	16 267	66 623	51 720	118 905	4 900
WAUKEGAN, IL													
31-33	Manufacturing	-	95	32	6 037	213 568	4 193	8 239	119 832	453 546	533 008	986 849	31 490
322	Paper mfg	-	3	3	567	24 651	406	804	14 814	51 618	44 053	94 338	D
3222	Converted paper product mfg	-	3	3	567	24 651	406	804	14 814	51 618	44 053	94 338	D
332	Fabricated metal product mfg	-	19	5	597	23 877	414	948	11 665	50 417	35 018	87 348	1 743
333	Machinery mfg	-	10	2	628	24 187	525	972	18 171	28 349	47 400	78 355	D
3336	Engine, turbine, & power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
33361	Engine, turbine, & power transmission equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
333618	Other engine equipment mfg	-	1	1	f	D	D	D	D	D	D	D	D
335	Electrical equipment, appliance, & component mfg	-	6	4	2 023	59 926	1 317	2 342	30 794	134 694	105 229	241 894	D
3359	Other electrical equipment & component mfg	-	4	3	g	D	D	D	D	D	D	D	D
33593	Wiring device mfg	-	2	2	g	D	D	D	D	D	D	D	D
335931	Current-carrying wiring device mfg	-	2	2	g	D	D	D	D	D	D	D	D
339	Miscellaneous mfg	-	9	2	f	D	D	D	D	D	D	D	D
3391	Medical equipment & supplies mfg	-	6	1	f	D	D	D	D	D	D	D	D
33911	Medical equipment & supplies mfg	-	6	1	f	D	D	D	D	D	D	D	D
339113	Surgical appliance & supplies mfg	-	1	1	f	D	D	D	D	D	D	D	D

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			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
WEST CHICAGO, IL													
31-33	Manufacturing	-	111	48	5 797	197 114	4 349	9 333	125 640	988 373	776 767	1 769 551	39 838
311	Food mfg	-	4	4	1 299	60 069	1 060	2 413	41 831	632 361	307 025	945 150	11 009
3112	Grain & oilseed milling	-	1	1	f	D	D	D	D	D	D	D	D
31123	Breakfast cereal mfg	-	1	1	f	D	D	D	D	D	D	D	D
311230	Breakfast cereal mfg	-	1	1	f	D	D	D	D	D	D	D	D
3115	Dairy product mfg	-	1	1	f	D	D	D	D	D	D	D	D
31152	Ice cream & frozen dessert mfg	-	1	1	f	D	D	D	D	D	D	D	D
311520	Ice cream & frozen dessert mfg	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	3	16	12	1 413	39 134	1 181	2 662	27 745	112 428	120 645	232 623	12 176
3261	Plastics product mfg	3	15	11	g	D	D	D	D	D	D	D	D
32616	Plastics bottle mfg	5	4	3	588	17 029	462	1 102	10 812	53 832	59 547	113 327	D
326160	Plastics bottle mfg	5	4	3	588	17 029	462	1 102	10 812	53 832	59 547	113 327	D
335	Electrical equipment, appliance, & component mfg	-	6	4	601	15 890	389	660	8 433	27 412	24 706	52 483	2 524
3353	Electrical equipment mfg ..	-	5	4	f	D	D	D	D	D	D	D	D
33531	Electrical equipment mfg ..	-	5	4	f	D	D	D	D	D	D	D	D
335314	Relay & industrial control mfg	-	3	2	f	D	D	D	D	D	D	D	D
WESTMONT, IL													
31-33	Manufacturing	2	40	10	1 063	34 325	793	1 537	20 002	92 707	52 352	142 444	5 284
WHEATON, IL													
31-33	Manufacturing	2	34	4	508	19 028	381	780	10 535	37 664	24 952	63 123	3 464
WHEELING, IL *													
31-33	Manufacturing	1	186	83	10 194	415 755	6 930	15 010	210 245	1 234 260	1 064 127	2 306 912	72 502
311	Food mfg	2	12	7	750	28 417	490	1 136	15 576	241 970	141 311	384 590	10 751
323	Printing & related support activities.....	-	21	7	1 219	70 237	643	1 430	22 550	228 948	203 003	431 660	10 058
3231	Printing & related support activities.....	-	21	7	1 219	70 237	643	1 430	22 550	228 948	203 003	431 660	10 058
32311	Printing	-	18	7	1 206	69 843	633	1 409	22 276	227 565	201 722	428 993	D
323110	Commercial lithographic printing ..	-	10	3	515	30 451	345	830	16 649	74 514	68 481	142 699	2 149
323118	Blankbook, looseleaf binder, & device mfg ..	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	1	15	11	1 032	31 137	784	1 801	18 613	62 598	72 767	134 841	6 384
3261	Plastics product mfg	1	14	10	f	D	D	D	D	D	D	D	D
32619	Other plastics product mfg	1	12	9	884	24 609	726	1 650	16 535	52 188	63 203	114 509	D
326199	All other plastics product mfg	1	11	8	f	D	D	D	D	D	D	D	5 663
332	Fabricated metal product mfg	-	51	24	3 085	114 224	2 358	4 976	71 505	273 406	233 949	509 542	19 880
3327	Machine shops, turned product, & screw, nut, & bolt mfg	-	29	11	801	37 631	632	1 461	23 650	75 510	29 097	104 247	5 332
3329	Other fabricated metal product mfg	-	6	4	1 169	34 385	923	1 805	23 867	114 582	156 272	275 001	7 987
33299	All other fabricated metal product mfg	-	4	2	f	D	D	D	D	D	D	D	D
332999	All other miscellaneous fabricated metal product mfg	-	3	2	f	D	D	D	D	D	D	D	D
333	Machinery mfg	1	32	10	1 167	53 317	731	1 660	29 216	123 492	79 679	202 124	5 341
334	Computer & electronic product mfg	1	15	8	810	27 084	523	1 043	12 324	71 561	59 322	132 104	2 819
WILLOWBROOK, IL													
31-33	Manufacturing	1	27	7	1 035	28 649	708	1 028	13 801	68 273	80 854	148 877	5 617
333	Machinery mfg	-	5	3	552	19 269	340	519	9 034	37 337	44 856	81 807	D
WILMINGTON, IL													
31-33	Manufacturing	-	5	3	f	D	D	D	D	D	D	D	D

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

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

NAICS code	Geographic area and industry	E ¹	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Total	With 20 employees or more	Number ²	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
WOOD DALE, IL													
31-33	Manufacturing	1	118	39	3 974	144 329	2 516	4 948	70 452	294 659	206 310	500 292	15 655
333	Machinery mfg	-	34	11	2 157	76 053	1 274	2 444	33 373	149 244	107 370	254 623	8 156
3339	Other general-purpose machinery mfg	-	8	3	g	D	D	D	D	D	D	D	D
33399	All other general-purpose machinery mfg	-	6	3	g	D	D	D	D	D	D	D	D
333993	Packaging machinery mfg	-	2	2	g	D	D	D	D	D	D	D	D
WOODRIDGE, IL *													
31-33	Manufacturing	-	16	6	741	30 484	465	1 155	16 654	92 332	99 867	192 623	2 237
WOODSTOCK, IL													
31-33	Manufacturing	1	71	25	2 966	85 783	2 375	5 519	56 721	245 001	179 951	425 294	17 467
311	Food mfg	-	1	1	f	D	D	D	D	D	D	D	D
3114	Fruit & vegetable preserving & specialty food mfg	-	1	1	f	D	D	D	D	D	D	D	D
31142	Fruit & vegetable canning, pickling, & drying	-	1	1	f	D	D	D	D	D	D	D	D
311421	Fruit & vegetable canning	-	1	1	f	D	D	D	D	D	D	D	D
326	Plastics & rubber products mfg	-	10	8	695	20 798	575	1 244	13 193	44 184	35 915	79 811	2 654
3261	Plastics product mfg	-	10	8	695	20 798	575	1 244	13 193	44 184	35 915	79 811	2 654
32619	Other plastics product mfg	-	8	7	f	D	D	D	D	D	D	D	D
326199	All other plastics product mfg	-	8	7	f	D	D	D	D	D	D	D	D
YORKVILLE, IL													
31-33	Manufacturing	-	20	6	791	22 962	551	982	11 798	76 307	50 664	129 081	D
311	Food mfg	-	5	2	f	D	D	D	D	D	D	D	D

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

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

Table 5. Detailed Statistics for the State: 1997

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

Item	Value	Item	Value
ILLINOIS		ILLINOIS—Con.	
Companies ¹	number.. 16 640	Quantity of electricity purchased for heat and power	1,000 kWh.. 35 609 511
		Quantity of electricity generated less sold for heat and power	1,000 kWh.. 2 126 989
All establishments	number.. 17 953	Total value of shipments	\$1,000.. 200 019 991
Establishments with 1 to 19 employees	number.. 11 381	Value of resales	\$1,000.. 9 449 736
Establishments with 20 to 99 employees	number.. 4 617	Value added	\$1,000.. 95 287 251
Establishments with 100 employees or more	number.. 1 955	Total inventories, beginning of year	\$1,000.. 21 340 153
All employees	number.. 887 350	Finished goods inventories, beginning of year	\$1,000.. 8 036 561
Total compensation ²	\$1,000.. 39 995 415	Work-in-process inventories, beginning of year	\$1,000.. 5 411 038
Annual payroll	\$1,000.. 31 837 943	Materials and supplies inventories, beginning of year	\$1,000.. 7 892 554
Total fringe benefits	\$1,000.. 8 157 472	Total inventories, end of year	\$1,000.. 22 235 759
Production workers, average for year	number.. 629 423	Finished goods inventories, end of year	\$1,000.. 8 464 537
Production workers on March 12	number.. 625 739	Work-in-process inventories, end of year	\$1,000.. 5 280 230
Production workers on May 12	number.. 629 230	Materials and supplies inventories, end of year	\$1,000.. 8 490 992
Production workers on August 12	number.. 630 853	Gross book value of total assets at beginning of year	\$1,000.. 72 225 147
Production workers on November 12	number.. 631 870	Total capital expenditures (new and used)	\$1,000.. 7 376 987
Production-worker hours	1,000.. 1 285 397	Capital expenditures for buildings and other structures (new and used)	\$1,000.. 1 122 955
Production-worker wages	\$1,000.. 18 713 827	Capital expenditures for machinery and equipment (new and used)	\$1,000.. 6 254 032
Total cost of materials	\$1,000.. 105 028 914	Total retirements ²	\$1,000.. 2 444 372
Cost of materials, parts, containers, etc., consumed	\$1,000.. 92 715 875	Gross book value of total assets at end of year	\$1,000.. 77 157 762
Cost of resales	\$1,000.. 6 825 168	Total depreciation during year ²	\$1,000.. 5 272 960
Cost of fuels	\$1,000.. 1 160 705	Total rental payments ²	\$1,000.. 1 645 035
Cost of purchased electricity	\$1,000.. 1 924 768	Buildings and other structures rental payments ²	\$1,000.. 817 556
Cost of contract work	\$1,000.. 2 402 398	Machinery and equipment rental payments ²	\$1,000.. 827 479

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

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

Appendix A.

Explanation of Terms

BEGINNING- AND END-OF-YEAR INVENTORIES

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

Inventory Data by Stage of Fabrication

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

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

COST OF MATERIALS

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

Included in this item are:

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

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

Duplication in Cost of Materials and Value of Shipment

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

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

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

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

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

DEPRECIATION CHARGES FOR FIXED ASSETS

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

EMPLOYEES

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

Production Workers

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

All Other Employees

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

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

FRINGE BENEFITS

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

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

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

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

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

NUMBER OF ESTABLISHMENTS AND COMPANIES

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

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

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

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

PAYROLL

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

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

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

PRODUCTION-WORKER HOURS

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

QUANTITY OF ELECTRIC ENERGY CONSUMED FOR HEAT AND POWER

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

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

RENTAL PAYMENTS

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

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

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

RETIREMENTS OF DEPRECIABLE ASSETS

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

TOTAL CAPITAL EXPENDITURES (NEW AND USED)

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

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

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

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

VALUE ADDED

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

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

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

VALUE OF SHIPMENTS

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

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

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

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

Duplication in Cost of Materials and Value of Shipment

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

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

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

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

Appendix B.

NAICS Codes, Titles, and Descriptions

SECTOR 31-33 MANUFACTURING

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

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

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

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

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

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

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

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

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

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

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

311 Food Manufacturing

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

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

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

3111 Animal Food Manufacturing

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

31111 Animal Food Manufacturing

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

311111 Dog and Cat Food Manufacturing

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

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

2047 Dog and cat food

311119 Other Animal Food Manufacturing

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

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

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

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

3112 Grain and Oilseed Milling

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

31121 Flour Milling and Malt Manufacturing

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

311211 Flour Milling

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

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

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

2041 Flour and other grain mill products

311212 Rice Milling

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

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

2044 Rice milling

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

311213 Malt Manufacturing

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

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

2083 Malt

31122 Starch and Vegetable Fats and Oils Manufacturing

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

311221 Wet Corn Milling

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

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

2046 Wet corn milling

311222 Soybean Processing

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

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

2075 Soybean oil mills (pt)

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

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

311223 Other Oilseed Processing

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

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

2074 Cottonseed oil mills (pt)

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

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

311225 Fats and Oils Refining and Blending

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

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

2074 Cottonseed oil mills (pt)

2075 Soybean oil mills (pt)

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

2077 Animal and marine fats and oil (pt)

2079 Shortening and cooking oils

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

31123 Breakfast Cereal Manufacturing

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

311230 Breakfast Cereal Manufacturing

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

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

2043 Cereal breakfast foods (pt)

3113 Sugar and Confectionery Product Manufacturing

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

31131 Sugar Manufacturing

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

311311 Sugarcane Mills

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

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

2061 Raw cane sugar

311312 Cane Sugar Refining

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

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

2062 Cane sugar refining

311313 Beet Sugar Manufacturing

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

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

2063 Beet sugar

31132 Chocolate and Confectionery Manufacturing From Cacao Beans

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

311320 Chocolate and Confectionery Manufacturing From Cacao Beans

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

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

2066 Chocolate and cocoa products

31133 Confectionery Manufacturing From Purchased Chocolate

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

311330 Confectionery Manufacturing From Purchased Chocolate

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

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

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

5441 Candy, nut, and confectionery stores (pt)

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

3113301 Chocolate and Chocolate-type Confectionery Retail – Manufacturer

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

3113302 Chocolate and Chocolate-type Confectionery – Manufacturer

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

31134 Nonchocolate Confectionery Manufacturing

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

311340 Nonchocolate Confectionery Manufacturing

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

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

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

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

5441 Candy, nut, and confectionery stores (pt)

3113401 Nonchocolate-Type Confectionery Products Retail – Manufacturer

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

3113402 Nonchocolate-Type Confectionery Products – Manufacturer

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

3114 Fruit and Vegetable Preserving and Specialty Food Manufacturing

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

31141 Frozen Food Manufacturing

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

311411 Frozen Fruit, Juice, and Vegetable Manufacturing

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

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

2037 Frozen fruits and vegetables

311412 Frozen Specialty Food Manufacturing

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

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

2038 Frozen specialties, n.e.c.

31142 Fruit and Vegetable Canning, Pickling, and Drying

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

311421 Fruit and Vegetable Canning

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

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

2033 Canned fruits and vegetables

2035 Pickles, sauces, and salad dressings (pt)

311422 Specialty Canning

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

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

2032 Canned specialties (pt)

311423 Dried and Dehydrated Food Manufacturing

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

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

2034 Dehydrated fruits, vegetables, and soups (pt)

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

3115 Dairy Product Manufacturing

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

31151 Dairy Product (Except Frozen) Manufacturing

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

311511 Fluid Milk Manufacturing

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

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

2026 Fluid milk

311512 Creamery Butter Manufacturing

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

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

2021 Creamery butter

311513 Cheese Manufacturing

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

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

2022 Cheese, natural and processed

311514 Dry, Condensed, and Evaporated Dairy Product Manufacturing

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

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

2023 Dry, condensed and evaporated milk

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

31152 Ice Cream and Frozen Dessert Manufacturing

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

311520 Ice Cream and Frozen Dessert Manufacturing

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

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

2024 Ice cream and frozen desserts

3116 Meat Product Manufacturing

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

31161 Animal Slaughtering and Processing

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

311611 Animal (Except Poultry) Slaughtering

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

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

2011 Meat packing plants

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

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

311612 Meat Processed From Carcasses

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

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

2013 Sausages and other prepared meats

5147 Meat and meat products (pt)

311613 Rendering and Meat Byproduct Processing

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

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

2077 Animal and marine fats and oil (pt)

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

311615 Poultry Processing

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

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

2015 Poultry and egg processing (pt)

3117 Seafood Product Preparation and Packaging

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

31171 Seafood Product Preparation and Packaging

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

311711 Seafood Canning

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

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

2077 Animal and marine fats and oil (pt)

2091 Canned and cured seafood

311712 Fresh and Frozen Seafood Processing

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

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

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

2077 Animal and marine fats and oil (pt)

2092 Prepared fresh or frozen fish and seafood

3118 Bakeries and Tortilla Manufacturing

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

31181 Bread and Bakery Product Manufacturing

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

311811 Retail Bakeries

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

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

5461 Retail bakeries (pt)

311812 Commercial Bakeries

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

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

2051 Bread, cake, and related products

2052 Cookies and crackers (pt)

311813 Frozen Cakes, Pies, and Other Pastries Manufacturing

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

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

2053 Frozen bakery products, except bread

31182 Cookie, Cracker, and Pasta Manufacturing

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

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

311821 Cookie and Cracker Manufacturing

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

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

2052 Cookies and crackers (pt)

311822 Flour Mixes and Dough Manufacturing From Purchased Flour

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

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

2045 Blended and prepared flour

311823 Dry Pasta Manufacturing

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

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

2098 Macaroni and spaghetti

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

31183 Tortilla Manufacturing

This industry comprises establishments primarily engaged in manufacturing tortillas.

311830 Tortilla Manufacturing

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

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

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

3119 Other Food Manufacturing

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

31191 Snack Food Manufacturing

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

311911 Roasted Nuts and Peanut Butter Manufacturing

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

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

2068 Salted and roasted nuts and seeds

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

311919 Other Snack Food Manufacturing

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

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

2052 Cookies and crackers (pt)

2096 Potato chips and similar snacks

31192 Coffee and Tea Manufacturing

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

311920 Coffee and Tea Manufacturing

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

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

2043 Cereal breakfast foods (pt)

2095 Roasted coffee (pt)

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

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

31193 Flavoring Syrup and Concentrate Manufacturing

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

311930 Flavoring Syrup and Concentrate Manufacturing

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

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

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

31194 Seasoning and Dressing Manufacturing

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

311941 Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing

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

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

2035 Pickles, sauces, and salad dressings (pt)

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

311942 Spice and Extract Manufacturing

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

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

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

2095 Roasted coffee (pt)

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

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

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

31199 All Other Food Manufacturing

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

311991 Perishable Prepared Food Manufacturing

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

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

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

311999 All Other Miscellaneous Food Manufacturing

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

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

2015 Poultry slaughtering and processing (pt)

2032 Canned specialties (pt)

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

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

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

312 Beverage and Tobacco Product Manufacturing

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

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

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

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

3121 Beverage Manufacturing

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

31211 Soft Drink and Ice Manufacturing

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

312111 Soft Drink Manufacturing

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

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

2086 Bottled and canned soft drinks (pt)

312112 Bottled Water Manufacturing

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

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

2086 Bottled and canned soft drinks (pt)

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

312113 Ice Manufacturing

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

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

2097 Manufactured ice

31212 Breweries

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

312120 Breweries

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

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

2082 Malt beverages

31213 Wineries

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

312130 Wineries

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

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

2084 Wines, brandy, and brandy spirits

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

31214 Distilleries

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

312140 Distilleries

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

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

2085 Distilled liquor, except brandy

3122 Tobacco Manufacturing

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

31221 Tobacco Stemming and Redrying

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

312210 Tobacco Stemming and Redrying

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

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

2141 Tobacco stemming and redrying (pt)

31222 Tobacco Product Manufacturing

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

312221 Cigarette Manufacturing

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

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

2111 Cigarettes

312229 Other Tobacco Product Manufacturing

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

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

2121 Cigars

2131 Chewing and smoking tobacco

2141 Tobacco stemming and redrying (pt)

313 Textile Mills

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

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

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

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

3131 Fiber, Yarn, and Thread Mills

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

31311 Fiber, Yarn, and Thread Mills

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

313111 Yarn Spinning Mills

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

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

2281 Yarn spinning mills

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

313112 Yarn Texturizing, Throwing, and Twisting Mills

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

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

2282 Yarn throwing and winding mills (pt)

3131121 Yarn Texturing, Throwing, and Twisting Mills – Manufacturer

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

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

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

313113 Thread Mills

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

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

2284 Thread mills (pt)

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

3132 Fabric Mills

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

31321 Broadwoven Fabric Mills

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

313210 Broadwoven Fabric Mills

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

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

2211 Weaving mills, cotton

2221 Weaving mills, synthetics

2231 Weaving and finishing mills, wool (pt)

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

31322 Narrow Fabric Mills and Schiffli Machine Embroidery

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

313221 Narrow Fabric Mills

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

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

2241 Narrow fabric mills

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

313222 Schiffli Machine Embroidery

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

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

2397 Schiffli machine embroideries

31323 Nonwoven Fabric Mills

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

313230 Nonwoven Fabric Mills

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

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

2297 Nonwoven fabrics

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

31324 Knit Fabric Mills

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

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

313241 Weft Knit Fabric Mills

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

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

2257 Circular knit fabric mills (pt)

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

3132411 Weft Knit Fabric Mills – Manufacturer

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

3132412 Weft Knit Fabric Mills – Jobber

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

3132413 Weft Knit Fabric Mills – Contractor

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

313249 Other Knit Fabric and Lace Mills

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

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

2258 Lace and warp knit fabric mills (pt)

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

3132491 Other Knit Fabric and Lace Mills – Manufacturer

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

3132492 Other Knit Fabric and Lace Mills – Jobber

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

3132493 Other Knit Fabric and Lace Mills – Contractor

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

3133 Textile and Fabric Finishing and Fabric Coating Mills

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

31331 Textile and Fabric Finishing Mills

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

313311 Broadwoven Fabric Finishing Mills

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

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

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

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

3133111 Broadwoven Fabric Finishing Mills – Manufacturer

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

3133112 Broadwoven Fabric Finishing Mills – Converter

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

3133113 Broadwoven Fabric Finishing Mills – Commission Finisher

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

313312 Textile and Fabric Finishing (Except Broadwoven Fabric) Mills

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

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

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

- 2269 Finishing plants, n.e.c.
- 2282 Yarn throwing and winding mills (pt)
- 2284 Thread mills (pt)
- 2299 Textile goods, n.e.c. (pt)
- 5131 Piece goods, notions and other dry goods (pt)

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

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

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

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

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

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

31332 Fabric Coating Mills

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

313320 Fabric Coating Mills

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

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

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

314 Textile Product Mills

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

3141 Textile Furnishings Mills

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

31411 Carpet and Rug Mills

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

314110 Carpet and Rug Mills

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

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

2273 Carpets and rugs

31412 Curtain and Linen Mills

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

314121 Curtain and Drapery Mills

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

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

2391 Curtains and draperies

5714 Drapery and upholstery stores (pt)

314129 Other Household Textile Product Mills

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

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

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

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

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

3149 Other Textile Product Mills

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

31491 Textile Bag and Canvas Mills

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

314911 Textile Bag Mills

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

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

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

2393 Textile bags

314912 Canvas and Related Product Mills

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

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

2394 Canvas and related products

31499 All Other Textile Product Mills

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

314991 Rope, Cordage, and Twine Mills

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

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

2298 Cordage and twine

314992 Tire Cord and Tire Fabric Mills

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

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

2296 Tire cord and fabric

314999 All Other Miscellaneous Textile Product Mills

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

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

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

2395 Pleating and stitching (pt)

2396 Automotive and apparel trimmings (pt)

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

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

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

315 Apparel Manufacturing

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

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

3151 Apparel Knitting Mills

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

31511 Hosiery and Sock Mills

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

315111 Sheer Hosiery Mills

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

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

2251 Women's hosiery, except socks

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

315119 Other Hosiery and Sock Mills

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

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

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

31519 Other Apparel Knitting Mills

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

315191 Outerwear Knitting Mills

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

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

2253 Knit outerwear mills

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

3151911 Outerwear Knitting Mills – Manufacturer

Establishments primarily engaged in knitting outerwear clothing.

3151912 Outerwear Knitting Mills – Jobber

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

3151913 Outerwear Knitting Mills – Contractor

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

315192 Underwear and Nightwear Knitting Mills

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

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

2254 Knit underwear mills

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

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

3152 Cut and Sew Apparel Manufacturing

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

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

31521 Cut and Sew Apparel Contractors

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

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

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

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

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

2321 Shirts, men’s and boys’ (pt)

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

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

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

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

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

2384 Robes and dressing gowns (pt)

2385 Waterproof outer garments (pt)

2395 Pleating and stitching (pt)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2385 Waterproof outer garments (pt)

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

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

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

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

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

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

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

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

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

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

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

2342 Brassieres and allied garments (pt)

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

2384 Robes and dressing gowns (pt)

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

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

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

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

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

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

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

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

2331 Women's blouses and waists (pt)

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

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

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

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

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

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

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

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

2335 Women's dresses (pt)

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

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

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

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

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

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

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

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

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

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

2337 Women's suits and coats (pt)

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

2385 Waterproof outer garments (pt)

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

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

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

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

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

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

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

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

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

2385 Waterproof outer garments (pt)

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

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

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

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

31529 Other Cut and Sew Apparel Manufacturing

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

315291 Infants' Cut and Sew Apparel Manufacturing

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

The data published with NAICS code 315291 include the following SIC industries:

- 2341 Women's and children's underwear (pt)
- 2361 Girls' and children's dresses and blouses (pt)
- 2369 Girls' and children's outerwear, n.e.c. (pt)
- 2385 Waterproof outer garments (pt)

3152911 Infants' Cut and Sew Apparel Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing infants' dresses, blouses, shirts, and all other infants' wear from purchased fabric. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

3152912 Infants' Cut and Sew Apparel Manufacturing – Jobbers

Establishments engaged as infants' clothing jobbers, who perform entrepreneurial functions involved in apparel manufacture, including buying raw materials, designing and preparing samples, arranging for apparel to be made from their materials, and marketing finished apparel. For the purposes of classification, the term "infants' apparel" includes apparel for young children of an age not exceeding 24 months.

315292 Fur and Leather Apparel Manufacturing

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

The data published with NAICS code 315292 include the following SIC industries:

- 2371 Fur goods
- 2386 Leather and sheep-lined clothing

315299 All Other Cut and Sew Apparel Manufacturing

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

The data published with NAICS code 315299 include the following SIC industries:

- 2329 Men's and boys' clothing, n.e.c. (pt)
- 2339 Women's outerwear, n.e.c. (pt)
- 2389 Apparel and accessories, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 315299 do not include establishments primarily engaged in the manufacture of

waterproof rubber and plastic outerwear or rubber pants and raincoats. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3152991 All Other Cut and Sew Apparel Manufacturing – Manufacturer

Establishments primarily engaged in manufacturing cut and sew apparel from purchased fabric (except cut and sew apparel contractors; men's and boys' cut and sew underwear, nightwear, suits, coats, shirts, trousers, work clothing, and other outerwear; women's and girls' lingerie, blouses, shirts, dresses, suits, coats, and other outerwear; infants' apparel; and fur and leather apparel). Examples of products made by these establishments are team athletic uniforms, band uniforms, academic caps and gowns, clerical vestments, and costumes.

3152992 All Other Cut and Sew Apparel Manufacturing – Jobbers

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

3159 Apparel Accessories and Other Apparel Manufacturing

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

31599 Apparel Accessories and Other Apparel Manufacturing

This industry comprises establishments primarily engaged in manufacturing apparel and accessories (except apparel knitting mills, cut and sew apparel contractors, men's and boys' cut and sew apparel, women's and girls' cut and sew apparel, and other cut and sew apparel). Jobbers, who perform entrepreneurial functions involved in apparel accessories manufacture, including buying raw materials, designing and preparing samples, arranging for

apparel accessories to be made from their materials, and marketing finished apparel accessories, are included. Examples of products made by these establishments are belts, caps, gloves (except medical, sporting, safety), hats, and neckties.

315991 Hat, Cap, and Millinery Manufacturing

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

The data published with NAICS code 315991 include the following SIC industry:

2353 Hats, caps, and millinery

315992 Glove and Mitten Manufacturing

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

The data published with NAICS code 315992 include the following SIC industries:

2381 Fabric gloves and mittens

3151 Leather gloves and mittens

315993 Men's and Boys' Neckwear Manufacturing

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

The data published with NAICS code 315993 include the following SIC industry:

2323 Men's and boys' neckwear

315999 Other Apparel Accessories and Other Apparel Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing apparel and apparel accessories (except apparel knitting mills; cut and sew apparel contractors; cut and sew apparel; hats and caps; mittens and

gloves; and men's and boys' neckwear). Jobbers for these products, who perform entrepreneurial functions involved in other apparel and accessory manufacture, including buying raw materials, designing and preparing samples, arranging for other apparel and accessories to be made from their materials, and marketing finished other apparel and accessories, are included. Examples of products made by these establishments are apparel trimmings and findings, belts, women's scarves, suspenders, and waterproof outerwear.

The data published with NAICS code 315999 include the following SIC industries:

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

2385 Waterproof outer garments (pt)

2387 Apparel belts

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

2396 Automotive and apparel trimmings (pt)

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

5699 Miscellaneous apparel and accessory stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 315999 include establishments primarily engaged in custom tailoring but do not include establishments primarily engaged in the manufacture of rubber bibs, aprons, and bathing caps.

316 Leather and Allied Product Manufacturing

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

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

3161 Leather and Hide Tanning and Finishing

This NAICS industry group includes establishments classified in NAICS Industry 31611, Leather and Hide Tanning and Finishing.

31611 Leather and Hide Tanning and Finishing

This industry comprises establishments primarily engaged in one or more of the following: (1) tanning, currying, and finishing hides and skins; (2) having others process hides and skins on a contract basis; and (3) dyeing or dressing furs.

316110 Leather and Hide Tanning and Finishing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) tanning, currying, and finishing hides and skins; (2) having others process hides and skins on a contract basis; and (3) dyeing or dressing furs.

The data published with NAICS code 316110 include the following SIC industries:

3111 Leather tanning and finishing

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

3162 Footwear Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31621, Footwear Manufacturing.

31621 Footwear Manufacturing

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

316211 Rubber and Plastics Footwear Manufacturing

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

The data published with NAICS code 316211 include the following SIC industry:

Rubber and plastics footwear

316212 House Slipper Manufacturing

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

The data published with NAICS code 316212 include the following SIC industry:

3142 House slippers

316213 Men's Footwear (Except Athletic) Manufacturing

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

The data published with NAICS code 316213 include the following SIC industry:

3143 Men's footwear, except athletic

316214 Women's Footwear (Except Athletic) Manufacturing

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

The data published with NAICS code 316214 include the following SIC industry:

3144 Women's footwear, except athletic

316219 Other Footwear Manufacturing

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

The data published with NAICS code 316219 include the following SIC industry:

3149 Footwear, except rubber, n.e.c.

3169 Other Leather and Allied Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 31699, Other Leather and Allied Product Manufacturing.

31699 Other Leather and Allied Product Manufacturing

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

316991 Luggage Manufacturing

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

The data published with NAICS code 316991 include the following SIC industry:

3161 Luggage

316992 Women's Handbag and Purse Manufacturing

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

The data published with NAICS code 316992 include the following SIC industry:

3171 Women's handbags and purses

316993 Personal Leather Goods (Except Women's Handbag and Purse) Manufacturing

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

The data published with NAICS code 316993 include the following SIC industry:

3172 Personal leather goods, n.e.c.

316999 All Other Leather Goods Manufacturing

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

The data published with NAICS code 316999 include the following SIC industries:

3131 Footwear cut stock and findings (pt)

3199 Leather goods, n.e.c.

321 Wood Product Manufacturing

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

The Wood Product Manufacturing subsector includes establishments that make wood products from logs and bolts that are sawed and shaped, and establishments that purchase sawed lumber and make wood products. With the exception of sawmills and wood preservation establishments, the establishments are grouped into industries mainly based on the specific products manufactured.

3211 Sawmills and Wood Preservation

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

32111 Sawmills and Wood Preservation

This industry comprises establishments primarily engaged in one or more of the following: (1) sawing dimension lumber, boards, beams, timber, poles, ties, shingles, shakes, siding, and wood chips from logs or bolts; (2) sawing round wood poles, pilings, and posts and treating them with preservatives; and (3) treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives to prevent decay and to protect against fire and insects. Sawmills may plane the rough lumber that they make with a planing machine to achieve smoothness and uniformity of size.

321113 Sawmills

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

The data published with NAICS code 321113 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2429 Special product sawmills, n.e.c. (pt)

2439 Structural wood members, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 321113 include establishments primarily engaged in the manufacture of lumber members made from logs and bolts, but do not include establishments primarily engaged in the manufacture of hardwood dimension made from logs and bolts. The NAICS definitions will be fully implemented with the 2002 Economic Census.

321114 Wood Preservation

This U.S. industry comprises establishments primarily engaged in (1) treating wood sawed, planed, or shaped in other establishments with creosote or other preservatives,

such as chromated copper arsenate, to prevent decay and to protect against fire and insects and/or (2) sawing round wood poles, pilings, and posts and treating them with preservatives.

The data published with NAICS code 321114 include the following SIC industry:

2491 Wood preserving

3212 Veneer, Plywood, and Engineered Wood Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 32121, Veneer, Plywood, and Engineered Wood Product Manufacturing.

32121 Veneer, Plywood, and Engineered Wood Product Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing veneer and/or plywood; (2) manufacturing engineered wood members; and (3) manufacturing reconstituted wood products. This industry includes manufacturing plywood from veneer made in the same establishment or from veneer made in other establishments, and manufacturing plywood faced with nonwood materials, such as plastics or metal.

321211 Hardwood Veneer and Plywood Manufacturing

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

The data published with NAICS code 321211 include the following SIC industry:

2435 Hardwood veneer and plywood

321212 Softwood Veneer and Plywood Manufacturing

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

The data published with NAICS code 321212 include the following SIC industry:

2436 Softwood veneer and plywood

321213 Engineered Wood Member (Except Truss) Manufacturing

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

The data published with NAICS code 321213 include the following SIC industry:

2439 Structural wood members, n.e.c. (pt)

321214 Truss Manufacturing

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

The data published with NAICS code 321214 include the following SIC industry:

2439 Structural wood members, n.e.c. (pt)

321219 Reconstituted Wood Product Manufacturing

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

The data published with NAICS code 321219 include the following SIC industry:

2493 Reconstituted wood products

3219 Other Wood Product Manufacturing

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

32191 Millwork

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

321911 Wood Window and Door Manufacturing

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

The data published with NAICS code 321911 include the following SIC industry:

2431 Millwork (pt)

321912 Cut Stock, Resawing Lumber, and Planing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing dimension lumber from purchased lumber; (2) manufacturing dimension stock (i.e., shapes) or cut stock; (3) resawing the output of sawmills; and (4) planing purchased lumber. These establishments generally use woodworking machinery, such as jointers, planers, lathes, and routers to shape wood.

The data published with NAICS code 321912 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2426 Hardwood dimension and flooring mills (pt)

2439 Structural wood members, n.e.c. (pt)

2499 Wood products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 321912 include establishments primarily engaged in the manufacture of hardwood dimension made from logs and bolts, lumber members made from purchased lumber, and semi-machined and fully-machined softwood dimension lumber, but do not include establishments primarily engaged in the manufacture of staves from purchased lumber. The NAICS definitions will be fully implemented with the 2002 Economic Census.

321918 Other Millwork (Including Flooring)

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

The data published with NAICS code 321918 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2426 Hardwood dimension and flooring mills (pt)

2431 Millwork (pt)

32192 Wood Container and Pallet Manufacturing

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

321920 Wood Container and Pallet Manufacturing

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

The data published with NAICS code 321920 include the following SIC industries:

2429 Special product sawmills, n.e.c. (pt)

2441 Nailed wood boxes & shoo

2448 Wood pallets and skids

2449 Wood containers, n.e.c.

2499 Wood products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 321920 include establishments primarily engaged in the manufacture of cooperage headings and staves made of purchased lumber. The NAICS definitions will be fully implemented with the 2002 Economic Census.

32199 All Other Wood Product Manufacturing

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

321991 Manufactured Home (Mobile Home) Manufacturing

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

The data published with NAICS code 321991 include the following SIC industry:

2451 Mobile homes

321992 Prefabricated Wood Building Manufacturing

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

The data published with NAICS code 321992 include the following SIC industry:

2452 Prefabricated wood buildings

321999 All Other Miscellaneous Wood Product Manufacturing

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

The data published with NAICS code 321999 include the following SIC industries:

2421 Sawmills and planing mills, general (pt)

2429 Special product sawmills, n.e.c. (pt)

2499 Wood products, n.e.c. (pt)

3131 Footwear cut stock and findings (pt)

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

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 321999 include establishments primarily engaged in the manufacture of wood cooling towers, but do not include establishments primarily engaged in the manufacture of finished metal moldings for mirrors and pictures, semi-machined and fully-machined softwood dimension, or cooperage headings. The NAICS definitions will be fully implemented with the 2002 Economic Census.

322 Paper Manufacturing

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

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

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

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

The same situation holds with respect to bags. The manufacturing of bags from plastics only, whether or not laminated, is classified in Subsector 326, Plastics and Rubber Products Manufacturing, but all other bag manufacturing is classified in this subsector.

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

3221 Pulp, Paper, and Paperboard Mills

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

32211 Pulp Mills

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

322110 Pulp Mills

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

The data published with NAICS code 322110 include the following SIC industry:

2611 Pulp mills

32212 Paper Mills

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

322121 Paper (Except Newsprint) Mills

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

The data published with NAICS code 322121 include the following SIC industries:

2621 Paper mills (pt)

2676 Sanitary paper products (pt)

3842 Surgical appliances and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 322121 include paper mills which convert sanitary paper stock into sanitary paper products, but do not include paper mills which are primarily engaged in the manufacture of other converted paper products. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3221211 Paper (Except Newsprint) Mills – Integrated Producer

Establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp in combination with pulp manufacture.

3221212 Paper (Except Newsprint) Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing paper (except newsprint and uncoated groundwood paper) from pulp not in combination with pulp manufacture.

322122 Newsprint Mills

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

The data published with NAICS code 322122 include the following SIC industry:

2621 Paper mills (pt)

3221221 Newsprint Mills – Integrated Producer

Establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp in combination with pulp manufacture.

3221222 Newsprint Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing newsprint and uncoated groundwood paper from pulp not in combination with pulp manufacture.

32213 Paperboard Mills

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

322130 Paperboard Mills

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

The data published with NAICS code 322130 include the following SIC industry:

2631 Paperboard mills

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 322130 do not include paperboard mills primarily engaged in converting paperboard into paperboard products. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3221301 Paperboard Mills – Integrated Producer

Establishments primarily engaged in manufacturing paperboard from pulp in combination with pulp manufacture.

3221302 Paperboard Mills – Nonintegrated Producer

Establishments primarily engaged in manufacturing paperboard from pulp not in combination with pulp manufacture or paperboard converting.

3222 Converted Paper Product Manufacturing

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

32221 Paperboard Container Manufacturing

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

322211 Corrugated and Solid Fiber Box Manufacturing

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

The data published with NAICS code 322211 include the following SIC industry:

2653 Corrugated and solid fiber boxes

322212 Folding Paperboard Box Manufacturing

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

The data published with NAICS code 322212 include the following SIC industry:

2657 Folding paperboard boxes

322213 Setup Paperboard Box Manufacturing

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

The data published with NAICS code 322213 include the following SIC industry:

2652 Setup paperboard boxes

322214 Fiber Can, Tube, Drum, and Similar Products Manufacturing

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

The data published with NAICS code 322214 include the following SIC industry:

2655 Fiber cans, drums, and similar products

322215 Nonfolding Sanitary Food Container Manufacturing

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

The data published with NAICS code 322215 include the following SIC industry:

2656 Sanitary food containers

32222 Paper Bag and Coated and Treated Paper Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) cutting and coating paper and paperboard; (2) cutting and laminating paper and paperboard and other flexible materials (except plastics film to plastics film); (3) manufacturing bags or multiwall bags or sacks of paper, metal foil, coated paper, or laminates or coated combinations of paper and foil with plastics film; (4) manufacturing laminated aluminum and other converted metal foils from purchased foils; and (5) surface coating paper or paperboard.

322221 Coated and Laminated Packaging Paper and Plastics Film Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with the manufacturing of packaging materials: (1) cutting and coating paper; and (2) cutting and laminating paper with other flexible materials (except plastics to plastics or foil to paper laminates). The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

The data published with NAICS code 322221 include the following SIC industry:

2671 Paper - coated and laminated, packaging (pt)

322222 Coated and Laminated Paper Manufacturing

This U.S. industry comprises establishments primarily engaged in performing one or more of the following activities associated with making products designed for purposes other than packaging: (1) cutting and coating paper; (2) cutting and laminating paper and other flexible materials (except plastics film to plastics film); and (3) manufacturing converted aluminum and other metal foils for non-packaging uses from purchased foils. The products made in this industry are made from purchased sheet materials and may be printed in the same establishment.

The data published with NAICS code 322222 include the following SIC industries:

2672 Paper - coated and laminated, n.e.c.

2679 Converted paper products, n.e.c. (pt)

322223 Plastics, Foil, and Coated Paper Bag Manufacturing

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

The data published with NAICS code 322223 include the following SIC industry:

2673 Bags - plastics, laminated, and coated (pt)

322224 Uncoated Paper and Multiwall Bag Manufacturing

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

The data published with NAICS code 322224 include the following SIC industry:

2674 Bags - uncoated paper and multiwall

322225 Laminated Aluminum Foil Manufacturing for Flexible Packaging Uses

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

The data published with NAICS code 322225 include the following SIC industry:

3497 Metal foil and leaf (pt)

322226 Surface-Coated Paperboard Manufacturing

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

The data published with NAICS code 322226 include the following SIC industry:

2675 Die-cut paper and board (pt)

32223 Stationery Product Manufacturing

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

322231 Die-Cut Paper and Paperboard Office Supplies Manufacturing

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

The data published with NAICS code 322231 include the following SIC industries:

2675 Die-cut paper and board (pt)

2679 Converted paper products, n.e.c. (pt)

322232 Envelope Manufacturing

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

The data published with NAICS code 322232 include the following SIC industry:

2677 Envelopes

322233 Stationery, Tablet, and Related Product Manufacturing

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

The data published with NAICS code 322233 include the following SIC industry:

2678 Stationery products

32229 Other Converted Paper Product Manufacturing

This industry comprises establishments primarily engaged in (1) converting paper and paperboard into products (except containers, bags, coated and treated paper and paperboard, and stationery products), or (2) converting pulp into pulp products, such as disposable diapers, or molded pulp egg cartons, food trays, and dishes. Processes used include laminating or lining purchased paper or paperboard.

322291 Sanitary Paper Product Manufacturing

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

The data published with NAICS code 322291 include the following SIC industries:

2676 Sanitary paper products (pt)

3842 Surgical appliances and supplies (pt)

322299 All Other Converted Paper Product Manufacturing

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

The data published with NAICS code 322299 include the following SIC industries:

2675 Die-cut paper and board (pt)

2679 Converted paper products, n.e.c. (pt)

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

323 Printing and Related Support Activities

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

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

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

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

3231 Printing and Related Support Activities

This NAICS industry group includes establishments classified in the following NAICS Industries: 32311, Printing; and 32312, Support Activities for Printing.

32311 Printing

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

323110 Commercial Lithographic Printing

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

The data published with NAICS code 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 skillet) or stamped without further fabrication).

332211 Cutlery and Flatware (Except Precious) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonprecious and precious plated metal cutlery and flatware.

The data published with NAICS code 332211 include the following SIC industries:

3421 Cutlery

3914 Silverware and plated ware (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census–Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332211 do not include establishments primarily engaged in the manufacture of hand-operated clippers for human hair. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332212 Hand and Edge Tool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonpowered hand and edge tools (except saws).

The data published with NAICS code 332212 include the following SIC industries:

- 3423 Hand and edge tools, n.e.c.
- 3523 Farm machinery and equipment (pt)
- 3524 Lawn and garden equipment (pt)
- 3545 Machine tool accessories (pt)
- 3699 Electrical equipment and supplies, n.e.c. (pt)
- 3799 Transportation equipment, n.e.c. (pt)
- 3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332212 include establishments primarily engaged in the manufacture of wheelbarrows or quality control laser equipment but do not include establishments primarily engaged in the manufacture of tool-type shears or fish wire, an electrical wiring tool. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332213 Saw Blade and Handsaw Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing nonpowered handsaws and/or (2) manufacturing saw blades, all types (including those for power sawing machines).

The data published with NAICS code 332213 include the following SIC industry:

- 3425 Saw blades and handsaws

332214 Kitchen Utensil, Pot, and Pan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal kitchen utensils (except cutting-type), pots, and pans (except those manufactured by casting (e.g., cast iron skillets) or stamped without further fabrication).

The data published with NAICS code 332214 include the following SIC industry:

- 3469 Metal stampings, n.e.c. (pt)

3323 Architectural and Structural Metals Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33231, Plate Work and Fabricated Structural Product Manufacturing; and 33232, Ornamental and Architectural Metal Products Manufacturing.

33231 Plate Work and Fabricated Structural Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: (1) prefabricated metal buildings, panels, and sections; (2) structural metal products; and (3) metal plate work products.

332311 Prefabricated Metal Building and Component Manufacturing

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

The data published with NAICS code 332311 include the following SIC industry:

- 3448 Prefabricated metal buildings

332312 Fabricated Structural Metal Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating structural metal products, such as concrete reinforcing bars and fabricated bar joists.

The data published with NAICS code 332312 include the following SIC industries:

- 3441 Fabricated structural metal
- 3449 Miscellaneous metal work (pt)

332313 Plate Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal plate work by cutting, punching, bending, shaping, and welding purchased metal plate.

The data published with NAICS code 332313 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

33232 Ornamental and Architectural Metal Products Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: (1) metal framed windows (i.e., typically using purchased glass) and metal doors; (2) sheet metal work; and (3) ornamental and architectural metal products.

332321 Metal Window and Door Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal framed windows (i.e., typically using purchased glass) and metal doors. Examples of products made by these establishments are metal door frames; metal framed window and door screens; metal molding and trim (except automotive); and metal curtain walls.

The data published with NAICS code 332321 include the following SIC industries:

- 2499 Wood products, n.e.c. (pt)
- 3442 Metal doors, sash, and trim
- 3449 Miscellaneous metal work (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332321 include establishments primarily engaged in the manufacture of metal finished moldings for mirrors and pictures. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332322 Sheet Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sheet metal work (except stampings).

The data published with NAICS code 332322 include the following SIC industry:

- 3444 Sheet metal work (pt)

332323 Ornamental and Architectural Metal Work Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ornamental and architectural metal work, such as staircases, metal open steel flooring, fire escapes, railings, and scaffolding.

The data published with NAICS code 332323 include the following SIC industries:

- 3446 Architectural metal work
- 3449 Miscellaneous metal work (pt)
- 3523 Farm machinery and equipment (pt)

3324 Boiler, Tank, and Shipping Container Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33241, Power Boiler and Heat Exchanger Manufacturing; 33242, Metal Tank (Heavy Gauge) Manufacturing; and 33243, Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing.

33241 Power Boiler and Heat Exchanger Manufacturing

This industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

332410 Power Boiler and Heat Exchanger Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power boilers and heat exchangers. Establishments in this industry may perform installation in addition to manufacturing power boilers and heat exchangers.

The data published with NAICS code 332410 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332410 do not include establishments primarily engaged in the manufacture of nuclear control drive mechanisms. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33242 Metal Tank (Heavy Gauge) Manufacturing

This industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

332420 Metal Tank (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in cutting, forming, and joining heavy gauge metal to manufacture tanks, vessels, and other containers.

The data published with NAICS code 332420 include the following SIC industry:

- 3443 Fabricated plate work, boiler shops (pt)

33243 Metal Can, Box, and Other Metal Container (Light Gauge) Manufacturing

This industry comprises establishments primarily engaged in forming light gauge metal containers.

332431 Metal Can Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cans, lids, and ends.

The data published with NAICS code 332431 include the following SIC industry:

- 3411 Metal cans

332439 Other Metal Container Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal (light gauge) containers (except cans).

The data published with NAICS code 332439 include the following SIC industries:

- 3412 Metal barrels, drums, and pails
- 3429 Hardware, n.e.c. (pt)
- 3444 Sheet metal work (pt)
- 3499 Fabricated metal products, n.e.c. (pt)
- 3537 Industrial trucks and tractors (pt)

3325 Hardware Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33251, Hardware Manufacturing.

33251 Hardware Manufacturing

This industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated, time locks).

332510 Hardware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal hardware, such as metal hinges, metal handles, keys, and locks (except coin-operated, time locks).

The data published with NAICS code 332510 include the following SIC industries:

- 3429 Hardware, n.e.c. (pt)
- 3499 Fabricated metal products, n.e.c. (pt)

3326 Spring and Wire Product Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33261, Spring and Wire Product Manufacturing.

33261 Spring and Wire Product Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing steel springs by forming, such as cutting, bending, and heat winding metal rod or strip stock and/or (2) manufacturing wire springs and fabricated wire products from wire drawn elsewhere (except watch and clock springs).

332611 Spring (Heavy Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heavy gauge springs by forming, such as cutting, bending, and heat winding rod or strip stock.

The data published with NAICS code 332611 include the following SIC industry:

- 3493 Steel springs, except wire

332612 Spring (Light Gauge) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing light gauge springs from purchased wire or strip.

The data published with NAICS code 332612 include the following SIC industry:

- 3495 Wire springs (pt)

332618 Other Fabricated Wire Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated wire products (except springs) made from purchased wire.

The data published with NAICS code 332618 include the following SIC industries:

- 3315 Steel wire and related products (pt)
- 3399 Primary metal products, n.e.c. (pt)
- 3496 Miscellaneous fabricated wire products

3327 Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33271, Machine Shops; and 33272, Turned Product and Screw, Nut, and Bolt Manufacturing.

33271 Machine Shops

This industry comprises establishments known as machine shops primarily engaged in machining metal parts on a job or order basis. Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

332710 Machine Shops

This U.S. industry comprises establishments known as machine shops primarily engaged in machining metal parts on a job or order basis. Generally machine shop jobs are low volume using machine tools, such as lathes (including computer numerically controlled); automatic screw machines; and machines for boring, grinding, and milling.

The data published with NAICS code 332710 include the following SIC industry:

- 3599 Industrial machinery, n.e.c. (pt)

33272 Turned Product and Screw, Nut, and Bolt Manufacturing

This industry comprises establishments primarily engaged in (1) machining precision turned products or (2) manufacturing metal bolts, nuts, screws, rivets, and other industrial fasteners. Included in this industry are establishments primarily engaged manufacturing parts for machinery and equipment on a customized basis.

332721 Precision Turned Product Manufacturing

This U.S. industry comprises establishments known as precision turned manufacturers primarily engaged in machining precision products of all materials on a job or order basis. Generally precision turned product jobs are large volume using machines, such as automatic screw machines, rotary transfer machines, computer numerically controlled (CNC) lathes, or turning centers.

The data published with NAICS code 332721 include the following SIC industry:

3451 Screw machine products

332722 Bolt, Nut, Screw, Rivet, and Washer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal bolts, nuts, screws, rivets, and washers, and other industrial fasteners using machines, such as headers, threaders, and nut forming machines.

The data published with NAICS code 332722 include the following SIC industry:

3452 Bolts, nuts, rivets, and washers

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332722 do not include establishments primarily engaged in the manufacture of turnbuckles and hose clamps. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3328 Coating, Engraving, Heat Treating, and Allied Activities

This NAICS industry group includes establishments classified in NAICS Industry 33281, Coating, Engraving, Heat Treating, and Allied Activities.

33281 Coating, Engraving, Heat Treating, and Allied Activities

This industry comprises establishments primarily engaged in one or more of the following: (1) heat treating metals and metal products; (2) enameling, lacquering, varnishing metals and metal products; (3) hot dip galvanizing metals and metal products; (4) engraving, chasing, or

etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates); (5) powder coating metals and metal products; (6) electroplating, plating, anodizing, coloring, and finishing metals and metal products; and (7) providing other metal surfacing services for the trade. Establishments in this industry coat engravings and heat treat metals and metal formed products fabricated elsewhere.

332811 Metal Heat Treating

This U.S. industry comprises establishments primarily engaged in heat treating, such as annealing, tempering, and brazing, metals and metal products for the trade.

The data published with NAICS code 332811 include the following SIC industry:

3398 Metal heat treating

332812 Metal Coating, Engraving (Except Jewelry and Silverware), and Allied Services to Manufacturers

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) enameling, lacquering, and varnishing metals and metal products; (2) hot dip galvanizing metals and metal products; (3) engraving, chasing, or etching metals and metal products (except jewelry; personal goods carried on or about the person, such as compacts and cigarette cases; precious metal products (except precious plated flatware and other plated ware); and printing plates); (4) powder coating metals and metal products; and (5) providing other metal surfacing services for the trade.

The data published with NAICS code 332812 include the following SIC industry:

3479 Metal coating and allied services (pt)

332813 Electroplating, Plating, Polishing, Anodizing, and Coloring

This U.S. industry comprises establishments primarily engaged in electroplating, plating, anodizing, coloring, buffing, polishing, cleaning, and sandblasting metals and metal products for the trade.

The data published with NAICS code 332813 include the following SIC industry:

3471 Plating and polishing

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332813 do not include establishments primarily engaged in laminating steel. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3329 Other Fabricated Metal Product Manufacturing

This industry group comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, and nuts and bolts).

33291 Metal Valve Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following metal valves: (1) industrial valves; (2) fluid power valves and hose fittings; (3) plumbing fixture fittings and trim; and (4) other metal valves and pipe fittings.

332911 Industrial Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial valves and valves for water works and municipal water systems.

The data published with NAICS code 332911 include the following SIC industries:

3491 Industrial valves

332912 Fluid Power Valve and Hose Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power valves and hose fittings.

The data published with NAICS code 332912 include the following SIC industries:

3492 Fluid power valves and hose fittings

3728 Aircraft parts and equipment, n.e.c. (pt)

332913 Plumbing Fixture Fitting and Trim Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal and plastics plumbing fixture fittings and trim, such as faucets, flush valves, and shower heads.

The data published with NAICS code 332913 include the following SIC industry:

3432 Plumbing fittings and brass goods (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332913 include establishments primarily engaged in the manufacture of lawn hose nozzels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332919 Other Metal Valve and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal valves (except industrial valves, fluid power valves, fluid power hose fittings, and plumbing fixture fittings and trim).

The data published with NAICS code 332919 include the following SIC industries:

3429 Hardware, n.e.c. (pt)

3494 Valves and pipe fittings, n.e.c. (pt)

3499 Fabricated metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332919 do not include establishments primarily engaged in manufacturing lawn hose nozzels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33299 All Other Fabricated Metal Product Manufacturing

This industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metal products, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts and bolts, and metal valves).

332991 Ball and Roller Bearing Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ball and roller bearings of all materials.

The data published with NAICS code 332991 include the following SIC industry:

3562 Ball and roller bearings

332992 Small Arms Ammunition Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small arms ammunition.

The data published with NAICS code 332992 include the following SIC industry:

3482 Small arms ammunition

332993 Ammunition (Except Small Arms) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ammunition (except small arms). Examples of products made by these establishments are bombs, depth charges, rockets (except guided missiles), grenades, mines, and torpedoes.

The data published with NAICS code 332993 include the following SIC industry:

3483 Ammunition, except small arms, n.e.c.

332994 Small Arms Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small firearms that are carried and fired by the individual.

The data published with NAICS code 332994 include the following SIC industry:

3484 Small arms

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332994 do not include establishments primarily engaged in the manufacture of tranquilizer guns. The NAICS definitions will be fully implemented with the 2002 Economic Census.

332995 Other Ordnance and Accessories Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ordnance (except small arms) and accessories.

The data published with NAICS code 332995 include the following SIC industry:

3489 Ordnance and accessories, n.e.c.

332996 Fabricated Pipe and Pipe Fitting Manufacturing

This U.S. industry comprises establishments primarily engaged in fabricating (such as cutting, threading and bending) metal pipes and pipe fittings made from purchased metal pipe.

The data published with NAICS code 332996 include the following SIC industries:

3353 Aluminum sheet, plate, and foil (pt)

3498 Fabricated pipe and fittings

332997 Industrial Pattern Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial patterns.

The data published with NAICS code 332997 include the following SIC industry:

3543 Industrial patterns

332998 Enameled Iron and Metal Sanitary Ware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing enameled iron and metal sanitary ware.

The data published with NAICS code 332998 include the following SIC industry:

3431 Metal sanitary ware

332999 All Other Miscellaneous Fabricated Metal Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fabricated metal products (except forgings and stampings, cutlery and handtools, architectural and structural metals, boilers, tanks, shipping containers, hardware, spring and wire products, machine shop products, turned products, screws, nuts, and bolts, metal valves, ball and roller bearings, ammunition, small arms and other ordnances, fabricated pipes and pipe fittings, industrial patterns, and enameled iron and metal sanitary ware).

The data published with NAICS code 332999 include the following SIC industries:

3291 Abrasive products (pt)

3432 Plumbing fixture fittings and trim

3494 Valves and pipe fittings, n.e.c. (pt)

3497 Metal foil and leaf (pt)

3499 Fabricated metal products, n.e.c. (pt)

3537 Industrial trucks and tractors (pt)

3599 Industrial machinery, n.e.c. (pt)

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

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332999 do not include establishments primarily engaged in manufacturing fire-place fixtures, traps, handcuffs and leg irons, ladder jacks, or other like metal products, or primarily engaged in manufacturing precious metal hollowware. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333 Machinery Manufacturing

Industries in the Machinery Manufacturing subsector create end products that apply mechanical force, for example, the application of gears and levers, to perform work. Some important processes for the manufacture of machinery are forging, stamping, bending, forming, and machining that are used to shape individual pieces of metal. Processes, such as welding and assembling are used to join separate parts together. Although these processes are similar to those used in metal fabricating establishments, machinery manufacturing is different because it

typically employs multiple metal forming processes in manufacturing the various parts of the machine. Moreover, complex assembly operations are an inherent part of the production process.

In general, design considerations are very important in machinery production. Establishments specialize in making machinery designed for particular applications. Thus, design is considered to be part of the production process for the purpose of implementing NAICS. The NAICS structure reflects this by defining industries and industry groups that make machinery for different applications. A broad distinction exists between machinery that is generally used in a variety of industrial applications (i.e., general-purpose machinery) and machinery that is designed to be used in a particular industry (i.e., special-purpose machinery). Three industry groups consist of special-purpose machinery—Agricultural, Construction, and Mining Machinery Manufacturing; Industrial Machinery Manufacturing; and Commercial and Service Industry Machinery Manufacturing. The other industry groups make general-purpose machinery: Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing; Metalworking Machinery Manufacturing; Engine, Turbine, and Power Transmission Equipment Manufacturing; and Other General-Purpose Machinery Manufacturing.

3331 Agriculture, Construction, and Mining Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33311, Agricultural Implement Manufacturing; 33312, Construction Machinery Manufacturing; and 33313, Mining and Oil and Gas Field Machinery Manufacturing.

33311 Agricultural Implement Manufacturing

This industry comprises establishments primarily engaged in manufacturing farm machinery and equipment, powered mowing equipment, and other powered home lawn and garden equipment.

333111 Farm Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing agricultural and farm machinery and equipment, and other turf and grounds care equipment, including planting, harvesting, and grass mowing equipment (except lawn and garden-type).

The data published with NAICS code 333111 include the following SIC industry:

3523 Farm machinery and equipment (pt)

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

NAICS. Data for NAICS industry 333111 do not include establishments primarily engaged in manufacturing cotton ginning machinery. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333112 Lawn and Garden Tractor and Home Lawn and Garden Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing powered lawnmowers, lawn and garden tractors, and other home lawn and garden equipment, such as tillers, shredders, and yard vacuums and blowers.

The data published with NAICS code 333112 include the following SIC industry:

3524 Lawn and garden equipment (pt)

33312 Construction Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

333120 Construction Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing construction machinery, surface mining machinery, and logging equipment.

The data published with NAICS code 333120 include the following SIC industry:

3531 Construction machinery (pt)

33313 Mining and Oil and Gas Field Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing oil and gas field and underground mining machinery and equipment.

333131 Mining Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing underground mining machinery and equipment, such as coal breakers, mining cars, core drills, coal cutters, rock drills and (2) manufacturing mineral beneficiating machinery and equipment used in surface or underground mines.

The data published with NAICS code 333131 include the following SIC industry:

3532 Mining machinery

333132 Oil and Gas Field Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing oil and gas field machinery and equipment, such as oil and gas field drilling machinery and equipment; oil and gas field production machinery and equipment; and oil and gas field derricks and (2) manufacturing water well drilling machinery.

The data published with NAICS code 333132 include the following SIC industry:

3533 Oil field machinery

3332 Industrial Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33321, Sawmill and Woodworking Machinery Manufacturing; 33322, Plastics and Rubber Industry Machinery Manufacturing; and 33329, Other Industrial Machinery Manufacturing.

33321 Sawmill and Woodworking Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

333210 Sawmill and Woodworking Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sawmill and woodworking machinery (except handheld), such as circular and band sawing equipment, planing machinery, and sanding machinery.

The data published with NAICS code 333210 include the following SIC industry:

3553 Woodworking machinery

33322 Plastics and Rubber Industry Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

333220 Plastics and Rubber Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing plastics and rubber products making machinery, such as plastics compression, extrusion and injection molding machinery and equipment, and tire building and recapping machinery and equipment.

The data published with NAICS code 333220 include the following SIC industry:

3559 Special industry machinery, n.e.c. (pt)

33329 Other Industrial Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction, mining, sawmill and woodworking, and plastics and rubber products making machinery).

333291 Paper Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing paper industry machinery for making paper and paper products, such as pulp making machinery, paper and paperboard making machinery, and paper and paperboard converting machinery.

The data published with NAICS code 333291 include the following SIC industry:

3554 Paper industries machinery

333292 Textile Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing textile machinery for making thread, yarn, and fiber.

The data published with NAICS code 333292 include the following SIC industries:

3552 Textile machinery

3699 Electrical equipment and supplies, n.e.c. (pt)

333293 Printing Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing printing and bookbinding machinery and equipment, such as printing presses, type-setting machinery, and bindery machinery.

The data published with NAICS code 333293 include the following SIC industries:

3555 Printing trades machinery

3699 Electrical equipment and supplies, n.e.c. (pt)

333294 Food Product Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing food and beverage manufacturing-type machinery and equipment, such as dairy product plant machinery and equipment (e.g., homogenizers, pasteurizers, ice cream freezers), bakery machinery and equipment (e.g., dough mixers, bake ovens, pastry rolling machines), meat and poultry processing and preparation machinery, and other commercial food products machinery (e.g., slicers, choppers, and mixers).

The data published with NAICS code 333294 include the following SIC industry:

3556 Food products machinery

333295 Semiconductor Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wafer processing equipment, semiconductor assembly and packaging equipment, and other semiconductor making machinery.

The data published with NAICS code 333295 include the following SIC industry:

3559 Special industry machinery, n.e.c. (pt)

333298 All Other Industrial Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial machinery (except agricultural and farm-type, construction and mining machinery, sawmill and woodworking machinery, plastics and rubber making machinery, paper and paperboard making machinery, textile machinery, printing machinery and equipment, food manufacturing-type machinery, and semiconductor making machinery).

The data published with NAICS code 333298 include the following SIC industries:

3559 Special industry machinery, n.e.c. (pt)

3639 Household appliances, n.e.c. (pt)

3333 Commercial and Service Industry Machinery Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33331, Commercial and Service Industry Machinery Manufacturing.

33331 Commercial and Service Industry Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing commercial and service machinery, such as automatic vending machinery, commercial laundry and drycleaning machinery, office machinery, photographic and photocopying machinery, optical instruments and machinery, automotive maintenance equipment (except mechanic's handtools), industrial vacuum cleaners, and commercial-type cooking equipment.

333311 Automatic Vending Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing coin, token, currency, or magnetic card operated vending machines and/or (2) manufacturing coin operated mechanism for machines, such as vending machines, lockers, and laundry machines.

The data published with NAICS code 333311 include the following SIC industry:

3581 Automatic merchandising machines

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333311 do not include establishments primarily engaged in the manufacture of change making machines. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333312 Commercial Laundry, Drycleaning, and Pressing Machine Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and industrial laundry and drycleaning equipment and pressing machines.

The data published with NAICS code 333312 include the following SIC industry:

3582 Commercial laundry equipment

333313 Office Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing office machinery (except computers and photocopying equipment), such as mail-handling machinery and equipment, calculators, typewriters, and dedicated word processing equipment.

The data published with NAICS code 333313 include the following SIC industries:

3578 Calculating and accounting equipment (pt)

3579 Office machines, n.e.c. (pt)

333314 Optical Instrument and Lens Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing optical instruments and lens, such as binoculars, microscopes (except electron, proton), telescopes, prisms, and lenses (except ophthalmic); (2) coating or polishing lenses (except ophthalmic); and (3) mounting lenses (except ophthalmic).

The data published with NAICS code 333314 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3827 Optical instruments and lenses

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333314 include establishments primarily engaged in the manufacture of sighting and tracking laser products.

333315 Photographic and Photocopying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing photographic and photocopying equipment, such as cameras (except television, video, digital projectors, film developing equipment, photocopying equipment, and microfilm equipment).

The data published with NAICS code 333315 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3861 Photographic equipment and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333315 include establishments primarily engaged in the manufacture of photographic laser products.

333319 Other Commercial and Service Industry Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial and service industry equipment (except automatic vending machines, commercial laundry, drycleaning and pressing machines, office machinery, optical instruments and lenses, and photographic and photocopying equipment).

The data published with NAICS code 333319 include the following SIC industries:

3559 Special industry machinery, n.e.c. (pt)

3589 Service industry machinery, n.e.c.

3599 Industrial machinery, n.e.c. (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333319 do not include establishments primarily engaged in the manufacture of beauty and barbershop equipment, except chairs. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3334 Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33341, Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing.

33341 Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing ventilating, heating, air-conditioning, and commercial and industrial refrigeration and freezer equipment.

333411 Air Purification Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing stationary air purification equipment, such as industrial dust and fume collection equipment, electrostatic precipitation equipment, warm air furnace filters, air washers, and other dust collection equipment.

The data published with NAICS code 333411 include the following SIC industry:

3564 Blowers and fans (pt)

333412 Industrial and Commercial Fan and Blower Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing attic fans and industrial and commercial fans and blowers, such as commercial exhaust fans and commercial ventilating fans.

The data published with NAICS code 333412 include the following SIC industry:

3564 Blowers and fans (pt)

333414 Heating Equipment (Except Warm Air Furnaces) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing heating equipment (except electric and warm air furnaces), such as heating boilers, heating stoves, floor and wall furnaces, and wall and baseboard heating units.

The data published with NAICS code 333414 include the following SIC industries:

3433 Heating equipment, except electric

3634 Electric housewares and fans (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 333414 do not include establishments primarily engaged in the manufacture of cooling towers of wood, metal, or sheet metal, or the manufacture of electric swimming pool heaters. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333415 Air-Conditioning and Warm Air Heating Equipment and Commercial and Industrial Refrigeration Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing air-conditioning (except motor vehicle) and warm air furnace equipment and/or (2) manufacturing commercial and industrial refrigeration and freezer equipment.

The data published with NAICS code 333415 include the following SIC industries:

3443 Fabricated plate work, boiler shops (pt)

3585 Refrigeration and heating equipment (pt)

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

NAICS. Data for NAICS industry 333415 include establishments primarily engaged in the manufacture of metal cooling towers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3335 Metalworking Machinery Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33351, Metalworking Machinery Manufacturing.

33351 Metalworking Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing metalworking machinery, such as metal cutting and metal forming machine tools; cutting tools; and accessories for metalworking machinery; special dies, tools, jigs, and fixtures; industrial molds; rolling mill machinery; assembly machinery; coil handling, conversion, or straightening equipment; and wire drawing and fabricating machines.

333511 Industrial Mold Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial molds for casting metals or forming other materials, such as plastics, glass, or rubber.

The data published with NAICS code 333511 include the following SIC industry:

3544 Special dies, tools, jigs, and fixtures (pt)

333512 Machine Tool (Metal Cutting Types) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal cutting machine tools (except handtools).

The data published with NAICS code 333512 include the following SIC industries:

3541 Machine tools, metal cutting types

3699 Electrical equipment and supplies, n.e.c. (pt)

333513 Machine Tool (Metal Forming Types) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal forming machine tools (except handtools), such as punching, sheering, bending, forming, pressing, forging and die-casting machines.

The data published with NAICS code 333513 include the following SIC industries:

3542 Machine tools, metal forming types

333514 Special Die and Tool, Die Set, Jig, and Fixture Manufacturing

This U.S. industry comprises establishments, known as tool and die shops, primarily engaged in manufacturing special tools and fixtures, such as cutting dies and jigs.

The data published with NAICS code 333514 include the following SIC industry:

3544 Special dies, tools, jigs, and fixtures (pt)

333515 Cutting Tool and Machine Tool Accessory Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing accessories and attachments for metal cutting and metal forming machine tools.

The data published with NAICS code 333515 include the following SIC industry:

3545 Machine tool accessories (pt)

333516 Rolling Mill Machinery and Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing rolling mill machinery and equipment for metal production.

The data published with NAICS code 333516 include the following SIC industry:

3547 Rolling mill machinery

333518 Other Metalworking Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal working machinery (except industrial molds; metal cutting machine tools; metal forming machine tools; special dies and tools, die sets, jigs, and fixtures; cutting tools and machine tool accessories; and rolling mill machinery and equipment).

The data published with NAICS code 333518 include the following SIC industry:

3549 Metalworking machinery, n.e.c.

3336 Engine, Turbine, and Power Transmission Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33361, Engine, Turbine, and Power Transmission Equipment Manufacturing.

33361 Engine, Turbine, and Power Transmission Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing turbines, power transmission equipment, and internal combustion engines (except automotive gasoline and aircraft).

333611 Turbine and Turbine Generator Set Units Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing turbines (except aircraft); and complete turbine generator set units, such as steam, hydraulic, gas, and wind.

The data published with NAICS code 333611 include the following SIC industry:

3511 Turbines and turbine generator sets

333612 Speed Changer, Industrial High-Speed Drive, and Gear Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gears, speed changers, and industrial high-speed drives (except hydrostatic).

The data published with NAICS code 333612 include the following SIC industry:

3566 Speed changers, drives, and gears

333613 Mechanical Power Transmission Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing mechanical power transmission equipment (except motor vehicle and aircraft), such as plain bearings, brakes and clutches (except motor vehicle and electromagnetic industrial control), couplings, joints, and drive chains.

The data published with NAICS code 333613 include the following SIC industry:

3568 Power transmission equipment, n.e.c.

333618 Other Engine Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing internal combustion engines (except automotive gasoline and aircraft).

The data published with NAICS code 333618 include the following SIC industries:

3519 Internal combustion engines, n.e.c. (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

3339 Other General-Purpose Machinery Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33391, Pump and Compressor Manufacturing; 33392, Material Handling Equipment Manufacturing; and 33399, All Other General-Purpose Machinery Manufacturing.

33391 Pump and Compressor Manufacturing

This industry comprises establishments primarily engaged in manufacturing pumps and compressors, such as general-purpose air and gas compressors, nonagricultural spraying and dusting equipment, general-purpose pumps and pumping equipment (except fluid power pumps and motors), and measuring and dispensing pumps.

333911 Pump and Pumping Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose pumps and pumping equipment (except fluid power pumps and motors), such as reciprocating pumps, turbine pumps, centrifugal pumps, rotary pumps, diaphragm pumps, domestic water system pumps, oil well and oil field pumps and sump pumps.

The data published with NAICS code 333911 include the following SIC industries:

3561 Pumps and pumping equipment

3743 Railroad equipment (pt)

333912 Air and Gas Compressor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose air and gas compressors, such as reciprocating compressors, centrifugal compressors, vacuum pumps (except laboratory), and nonagricultural spraying and dusting compressors and spray gun units.

The data published with NAICS code 333912 include the following SIC industry:

3563 Air and gas compressors

333913 Measuring and Dispensing Pump Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and dispensing pumps, such as gasoline pumps and lubricating oil measuring and dispensing pumps.

The data published with NAICS code 333913 include the following SIC industry:

3586 Measuring and dispensing pumps

33392 Material Handling Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing material handling equipment, such as elevators and moving stairs; conveyors and conveying equipment; overhead traveling cranes, hoists, and monorail systems; and industrial trucks, tractors, trailers, and stacker machinery.

333921 Elevator and Moving Stairway Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing elevators and moving stairways.

The data published with NAICS code 333912 include the following SIC industry:

3534 Elevators and moving stairways

333922 Conveyor and Conveying Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing conveyors and conveying equipment, such as gravity conveyors, trolley conveyors, tow conveyors, pneumatic tube conveyors, carousel conveyors, farm conveyors, and belt conveyors.

The data published with NAICS code 333922 include the following SIC industries:

3523 Farm machinery and equipment (pt)

3535 Conveyors and conveying equipment

333923 Overhead Traveling Crane, Hoist, and Monorail System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing overhead traveling cranes, hoists, and monorail systems.

The data published with NAICS code 333923 include the following SIC industries:

3531 Construction machinery (pt)

3536 Hoists, cranes, and monorails

333924 Industrial Truck, Tractor, Trailer, and Stacker Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial trucks, tractors, trailers, and stackers (i.e., truck-type) such as forklifts, pallet loaders and unloaders, and portable loading docks.

The data published with NAICS code 333924 include the following SIC industry:

3537 Industrial trucks and tractors (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 332994 do not include establishments primarily engaged in the manufacture of tranquilizer guns. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33399 All Other General-Purpose Machinery Manufacturing

This industry comprises establishments primarily engaged in manufacturing general-purpose machinery (except ventilation, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery; engines, turbines, and power transmission equipment; pumps and compressors; and material handling equipment).

333991 Power-Driven Handtool Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power-driven (e.g., battery, corded, pneumatic) handtools, such as drills, screwguns, circular saws, chain saws, staplers, and nailers.

The data published with NAICS code 333991 include the following SIC industry:

3546 Power-driven handtools

333992 Welding and Soldering Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing welding and soldering equipment and accessories (except transformers), such as arc, resistance, gas, plasma, laser, electron beam, and ultrasonic welding equipment; welding electrodes; coated or cored welding wire; and soldering equipment (except handheld).

The data published with NAICS code 333992 include the following SIC industries:

3548 Welding apparatus (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

333993 Packaging Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing packaging machinery, such as wrapping, bottling, canning, and labeling machinery.

The data published with NAICS code 333993 include the following SIC industry:

3565 Packaging machinery

333994 Industrial Process Furnace and Oven Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial process furnaces, ovens, induction and dielectric heating equipment, and kilns (except cement, chemical, wood).

The data published with NAICS code 333994 include the following SIC industry:

3567 Industrial furnaces and ovens

333995 Fluid Power Cylinder and Actuator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) cylinders and actuators.

The data published with NAICS code 333995 include the following SIC industries:

3593 Fluid power cylinders and actuators

3728 Aircraft parts and equipment, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333995 include establishments primarily engaged in the manufacture of aerospace-type fluid power actuators. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333996 Fluid Power Pump and Motor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fluid power (i.e., hydraulic and pneumatic) pumps and motors.

The data published with NAICS code 333996 include the following SIC industries:

3594 Fluid power pumps and motors

3728 Aircraft parts and equipment, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 333996 include establishments primarily engaged in the manufacture of aerospace-type fluid power actuators. The NAICS definitions will be fully implemented with the 2002 Economic Census.

333997 Scale and Balance (Except Laboratory) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing scales and balances (except laboratory).

The data published with NAICS code 333997 include the following SIC industry:

3596 Scales and balances, except laboratory

333999 All Other Miscellaneous General-Purpose Machinery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing general-purpose machinery (except ventilating, heating, air-conditioning, and commercial refrigeration equipment; metal working machinery;

engines, turbines, and power transmission equipment; pumps and compressors; material handling equipment; power-driven handtools; welding and soldering equipment; packaging machinery; industrial process furnaces and ovens; fluid power cylinders and actuators; fluid power pumps and motors; and scales and balances).

The data published with NAICS code 333999 include the following SIC industries:

3569 General industrial machinery, n.e.c.

3599 Industrial machinery, n.e.c. (pt)

334 Computer and Electronic Product Manufacturing

Industries in the Computer and Electronic Product Manufacturing subsector group establishments that manufacture computers, computer peripherals, communications equipment, and similar electronic products, and establishments that manufacture components for such products. The Computer and Electronic Product Manufacturing industries have been combined in the hierarchy of NAICS because of the economic significance they have attained. Their rapid growth suggests that they will become even more important to the economies of all three North American countries in the future, and in addition their manufacturing processes are fundamentally different from the manufacturing processes of other machinery and equipment. The design and use of integrated circuits and the application of highly specialized miniaturization technologies are common elements in the production technologies of the computer and electronic subsector. Convergence of technology motivates this NAICS subsector. Digitalization of sound recording, for example, causes both the medium (the compact disc) and the equipment to resemble the technologies for recording, storing, transmitting, and manipulating data. Communications technology and equipment have been converging with computer technology. When technologically related components are in the same sector, it makes it easier to adjust the classification for future changes, without needing to redefine its basic structure. The creation of the Computer and Electronic Product Manufacturing subsector will assist in delineating new and emerging industries because the activities that will serve as the probable sources of new industries, such as computer manufacturing and communications equipment manufacturing, or computers and audio equipment are brought together. As new activities emerge, they are less likely, therefore, to cross the subsector boundaries of the classification.

3341 Computer and Peripheral Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33411, Computer and Peripheral Equipment Manufacturing.

33411 Computer and Peripheral Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers; and computer peripheral equipment, such as storage devices, printers, monitors, input/output devices and terminals. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and comprise at least analog, control, and programming elements.

334111 Electronic Computer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling electronic computers, such as mainframes, personal computers, workstations, laptops, and computer servers. Computers can be analog, digital, or hybrid. Digital computers, the most common type, are devices that do all of the following: (1) store the processing program or programs and the data immediately necessary for the execution of the program; (2) can be freely programmed in accordance with the requirements of the user; (3) perform arithmetical computations specified by the user; and (4) execute, without human intervention, a processing program that requires the computer to modify its execution by logical decision during the processing run. Analog computers are capable of simulating mathematical models and contain at least analog, control, and programming elements. The manufacture of computers includes the assembly or integration of processors, coprocessors, memory, storage, and input/output devices into a user-programmable final product.

The data published with NAICS code 334111 include the following SIC industry:

3571 Electronic computers

334112 Computer Storage Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer storage devices that allow the storage and retrieval of data from a phase change, magnetic, optical, or magnetic/optical media. Examples of products made by these establishments are CD-ROM drives, floppy disk drives, hard disk drives, and tape storage and backup units.

The data published with NAICS code 334112 include the following SIC industry:

3572 Computer storage devices

334113 Computer Terminal Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer terminals. Computer terminals are input/output devices that connect with a central computer for processing.

The data published with NAICS code 334113 include the following SIC industry:

3575 Computer terminals

334119 Other Computer Peripheral Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing computer peripheral equipment (except storage devices and computer terminals).

The data published with NAICS code 334119 include the following SIC industries:

3577 Computer peripheral equipment, n.e.c.

3578 Calculating and accounting equipment (pt)

3699 Electrical equipment and supplies, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334119 include establishments primarily engaged in the manufacture of laser products.

3342 Communications Equipment Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33421, Telephone Apparatus Manufacturing; 33422, Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing; and 33429, Other Communications Equipment Manufacturing.

33421 Telephone Apparatus Manufacturing

This industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

334210 Telephone Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wire telephone and data communications equipment. These products may be stand-alone or board-level components of a larger system. Examples of products made by these establishments are central office switching equipment, cordless telephones (except cellular), PBX equipment, telephones, telephone answering machines, and data communications equipment, such as bridges, routers, and gateways.

The data published with NAICS code 334210 include the following SIC industry:

3661 Telephone and telegraph apparatus (pt)

33422 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

334220 Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing radio and television broadcast and wireless communications equipment. Examples of products made by these establishments are: transmitting and receiving antennas, cable television equipment, GPS equipment, pagers, cellular phones, mobile communications equipment, and radio and television studio and broadcasting equipment.

The data published with NAICS code 334220 include the following SIC industries:

3663 Radio and TV communications equipment

3679 Electronic components, n.e.c. (pt)

33429 Other Communications Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, and radio and television broadcast, and wireless communications equipment).

334290 Other Communications Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing communications equipment (except telephone apparatus, radio and television broadcast, and wireless communications equipment).

The data published with NAICS code 334290 include the following SIC industry:

3669 Communications equipment, n.e.c.

3343 Audio and Video Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33431, Audio and Video Equipment Manufacturing.

33431 Audio and Video Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

334310 Audio and Video Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic audio and video equipment for home entertainment, motor vehicle, public address and musical instrument amplifications. Examples of products made by these establishments are video cassette recorders, televisions, stereo equipment, speaker systems, household-type video cameras, jukeboxes, and amplifiers for musical instruments and public address systems.

The data published with NAICS code 334310 include the following SIC industry:

3651 Household audio and video equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334310 do not include establishments primarily engaged in the manufacture of radio headphones. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3344 Semiconductor and Other Electronic Component Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33441, Semiconductor and Other Electronic Component Manufacturing.

33441 Semiconductor and Other Electronic Component Manufacturing

This industry comprises establishments primarily engaged in manufacturing semiconductors and other components for electronic applications. Examples of products

made by these establishments are capacitors, resistors, microprocessors, bare and loaded printed circuit boards, electron tubes, electronic connectors, and computer modems.

334411 Electron Tube Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electron tubes and parts (except glass blanks). Examples of products made by these establishments are cathode ray tubes (i.e., picture tubes), klystron tubes, magnetron tubes, and traveling wave tubes.

The data published with NAICS code 334411 include the following SIC industries:

3671 Electron tubes

334412 Bare Printed Circuit Board Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing bare (i.e., rigid or flexible) printed circuit boards without mounted electronic components. These establishments print, perforate, plate, screen, etch, or photoprint interconnecting pathways for electric current on laminates.

The data published with NAICS code 334412 include the following SIC industry:

3672 Printed circuit boards

334413 Semiconductor and Related Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing semiconductors and related solid state devices. Examples of products made by these establishments are integrated circuits, memory chips, microprocessors, diodes, transistors, solar cells, and other optoelectronic devices.

The data published with NAICS code 334413 include the following SIC industry:

3674 Semiconductors and related devices

334414 Electronic Capacitor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic fixed and variable capacitors and condensers.

The data published with NAICS code 334414 include the following SIC industry:

3675 Electronic capacitors

334415 Electronic Resistor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic resistors, such as fixed and variable resistors, resistor networks, thermistors, and varistors.

The data published with NAICS code 334415 include the following SIC industry:

3676 Electronic resistors

334416 Electronic Coil, Transformer, and Other Inductor Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic inductors, such as coils and transformers.

The data published with NAICS code 334416 include the following SIC industries:

3661 Telephone and telegraph apparatus (pt)

3677 Electronic coils and transformers

3825 Instruments to measure electricity (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334416 include establishments primarily engaged in the manufacture of telephone transformers or portable instrument transformers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334417 Electronic Connector Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic connectors, such as coaxial, cylindrical, rack and panel, pin and sleeve, printed circuit and fiber optic.

The data published with NAICS code 334417 include the following SIC industry:

3678 Electronic connectors

334418 Printed Circuit Assembly (Electronic Assembly) Manufacturing

This U.S. industry comprises establishments primarily engaged in loading components onto printed circuit boards or who manufacture and ship loaded printed circuit boards. Also known as printed circuit assemblies, electronics assemblies, or modules, these products are printed circuit boards that have some or all of the semiconductor and electronic components inserted or mounted and are inputs to a wide variety of electronic systems and devices.

The data published with NAICS code 334418 include the following SIC industries:

3661 Telephone and telegraph apparatus (pt)

3679 Electronic components, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334418 do not include

establishments primarily engaged in the manufacture of plotter controllers. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334419 Other Electronic Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electronic components (except electron tubes; bare printed circuit boards; semiconductors and related devices; electronic capacitors; electronic resistors; coils, transformers and other inductors; connectors; and loaded printed circuit boards).

The data published with NAICS code 334419 include the following SIC industry:

3679 Electronic components, n.e.c. (pt)

3345 Navigational, Measuring, Medical, and Control Instruments Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33451, Navigational, Measuring, Medical, and Control Instruments Manufacturing.

33451 Navigational, Measuring, Medical, and Control Instruments Manufacturing

This industry comprises establishments primarily engaged in manufacturing navigational, measuring, electromedical, and control instruments. Examples of products made by these establishments are aeronautical instruments, appliance regulators and controls (except switches), laboratory analytical instruments, navigation and guidance systems, and physical properties testing equipment.

334510 Electromedical and Electrotherapeutic Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electromedical and electrotherapeutic apparatus, such as magnetic resonance imaging equipment, medical ultrasound equipment, pacemakers, hearing aids, electrocardiographs, and electromedical endoscopic equipment.

The data published with NAICS code 334510 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3842 Surgical appliances and supplies (pt)

3845 Electromedical equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334510 include establishments primarily engaged in the manufacture of electro-medical laser products.

334511 Search, Detection, Navigation, Guidance, Aeronautical, and Nautical System and Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing search, detection, navigation, guidance, aeronautical, and nautical systems and instruments. Examples of products made by these establishments are aircraft instruments (except engine), flight recorders, navigational instruments and systems, radar systems and equipment, and sonar systems and equipment.

The data published with NAICS code 334511 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3812 Search and navigation equipment

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334511 include establishments primarily engaged in the manufacture of search and detection laser products.

334512 Automatic Environmental Control Manufacturing for Residential, Commercial, and Appliance Use

This U.S. industry comprises establishments primarily engaged in manufacturing automatic controls and regulators for applications, such as heating, air-conditioning, refrigeration and appliances.

The data published with NAICS code 334512 include the following SIC industry:

3822 Environmental controls

334513 Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and related devices for measuring, displaying, indicating, recording, transmitting, and controlling industrial process variables. These instruments measure, display or control (monitor, analyze, and so forth) industrial process variables, such as temperature, humidity, pressure, vacuum, combustion, flow, level, viscosity, density, acidity, concentration, and rotation.

The data published with NAICS code 334513 include the following SIC industry:

3823 Process control instruments

334514 Totalizing Fluid Meter and Counting Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing totalizing (i.e., registering) fluid meters and counting devices. Examples of products made

by these establishments are gas consumption meters, water consumption meters, parking meters, taxi meters, motor vehicle gauges, and fare collection equipment.

The data published with NAICS code 334514 include the following SIC industry:

3824 Fluid meters and counting devices

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334514 do not include establishments primarily engaged in the manufacture of automotive ammeters and voltmeters or motor vehicle gauges. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334515 Instrument Manufacturing for Measuring and Testing Electricity and Electrical Signals

This U.S. industry comprises establishments primarily engaged in manufacturing instruments for measuring and testing the characteristics of electricity and electrical signals. Examples of products made by these establishments are circuit and continuity testers, volt meters, ohm meters, wattmeters, multimeters, and semiconductor test equipment.

The data published with NAICS code 334515 include the following SIC industry:

3825 Instruments to measure electricity (pt)

334516 Analytical Laboratory Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing instruments and instrumentation systems for laboratory analysis of the chemical or physical composition or concentration of samples of solid, fluid, gaseous, or composite material.

The data published with NAICS code 334516 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3826 Analytical instruments

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334516 include establishments primarily engaged in the manufacture of analytical and scientific laser products.

334517 Irradiation Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing irradiation apparatus and tubes for applications, such as medical diagnostic, medical therapeutic, industrial, research and scientific evaluation. Irradiation can take the form of beta-rays, gamma-rays, X-rays, or other ionizing radiation.

The data published with NAICS code 334517 include the following SIC industry:

3844 X-ray apparatus and tubes

334518 Watch, Clock, and Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or assembling clocks; watches; timing mechanisms for clockwork operated devices; time clocks; time and date recording devices; and clock and watch parts (except crystals), such as springs, jewels, and modules.

The data published with NAICS code 334518 include the following SIC industries:

3495 Wire springs (pt)

3579 Office machines, n.e.c. (pt)

3873 Watches, clocks, and watchcases

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334518 do not include establishments primarily engaged in the manufacture of electronic chronometers or watch jewels. The NAICS definitions will be fully implemented with the 2002 Economic Census.

334519 Other Measuring and Controlling Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing measuring and controlling devices (except search, detection, navigation, guidance, aeronautical, and nautical instruments and systems; automatic environmental controls for residential, commercial, and appliance use; instruments for measurement, display, and control of industrial process variables; totalizing fluid meters and counting devices; instruments for measuring and testing electricity and electrical signals; analytical laboratory instruments; watches, clocks, and parts; irradiation equipment; and electromedical and electrotherapeutic apparatus).

The data published with NAICS code 334519 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3829 Measuring and controlling devices, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 334519 include establishments primarily engaged in the manufacture of commercial geophysical, meteorological, survey, and drafting laser products.

3346 Manufacturing and Reproducing Magnetic and Optical Media

This NAICS industry group includes establishments classified in NAICS Industry 33461, Manufacturing and Reproducing Magnetic and Optical Media.

33461 Manufacturing and Reproducing Magnetic and Optical Media

This industry comprises establishments primarily engaged in (1) manufacturing optical and magnetic media, such as blank audio tape, blank video tape, and blank diskettes and/or (2) mass duplicating (i.e., making copies) audio, video, software, and other data on magnetic, optical, and similar media.

334611 Software Reproducing

This U.S. industry comprises establishments primarily engaged in mass reproducing computer software. These establishments do not generally develop any software; they mass reproduce data and programs on magnetic media, such as diskettes, tapes, or cartridges. Establishments in this industry mass reproduce products, such as CD-ROMs and game cartridges.

The data published with NAICS code 334611 include the following SIC industries:

7379 Computer Related Services, n.e.c. (pt)

334612 Prerecorded Compact Disc (Except Software), Tape, and Record Reproducing

This U.S. industry comprises establishments primarily engaged in mass reproducing audio and video material on magnetic or optical media. Examples of products mass reproduced by these establishments are audio compact discs, prerecorded audio and video cassettes, and laser discs.

The data published with NAICS code 334612 include the following SIC industries:

3652 Prerecorded records and tapes

7819 Services allied to motion pictures (pt)

334613 Magnetic and Optical Recording Media Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing magnetic and optical recording media, such as blank magnetic tape, blank diskettes, blank optical discs, hard drive media, and blank magnetic tape cassettes.

The data published with NAICS code 334613 include the following SIC industry:

3695 Magnetic and optical recording media

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 334613 do not include establishments primarily engaged in the manufacture of magnetic tape cleaners. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335 Electrical Equipment, Appliance, and Component Manufacturing

Industries in the Electrical Equipment, Appliance, and Component Manufacturing subsector manufacture products that generate, distribute and use electrical power. Electric lighting equipment manufacturing establishments produce electric lamp bulbs, lighting fixtures, and parts. Household appliance manufacturing establishments make both small and major electrical appliances and parts. Electrical equipment manufacturing establishments make goods, such as electric motors, generators, transformers, and switchgear apparatus. Other electrical equipment and component manufacturing establishments make devices for storing electrical power (e.g., batteries), for transmitting electricity (e.g., insulated wire), and wiring devices (e.g., electrical outlets, fuse boxes, and light switches).

3351 Electric Lighting Equipment Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33511, Electric Lamp Bulb and Parts Manufacturing; and 33512, Lighting Fixture Manufacturing.

33511 Electric Lamp Bulb and Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

335110 Electric Lamp Bulb and Part Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric light bulbs and tubes, and parts and components (except glass blanks for electric light bulbs).

The data published with NAICS code 335110 include the following SIC industry:

3641 Electric lamps

33512 Lighting Fixture Manufacturing

This industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except vehicular), nonelectric lighting equipment, lamp shades (except glass and plastics) and lighting fixture components (except current-carrying wiring devices).

335121 Residential Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fixed or portable residential electric lighting fixtures and lamp shades of metal, paper, or textiles. Residential electric lighting fixtures include those for use both inside and outside the residence.

The data published with NAICS code 335121 include the following SIC industries:

- 3089 Plastics products, n.e.c. (pt)
- 3645 Residential lighting fixtures
- 3999 Manufacturing industries, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 335121 include establishments primarily engaged in the manufacture of plastic lampshades. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335122 Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures.

The data published with NAICS code 335122 include the following SIC industry:

- 3646 Commercial lighting fixtures

335129 Other Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric lighting fixtures (except residential, commercial, industrial, institutional, and vehicular electric lighting fixtures) and nonelectric lighting equipment.

The data published with NAICS code 335129 include the following SIC industries:

- 3648 Lighting equipment, n.e.c.
- 3699 Electrical equipment and supplies, n.e.c. (pt)

3352 Household Appliance Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33521, Small Electrical Appliance Manufacturing; and 33522, Major Appliance Manufacturing.

33521 Small Electrical Appliance Manufacturing

This industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares, household-type fans, household-type vacuum cleaners, and other electric household-type floor care machines.

335211 Electric Housewares and Household Fan Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing small electric appliances and electric housewares for heating, cooking, and other purposes, and electric household-type fans (except attic fans).

The data published with NAICS code 335211 include the following SIC industry:

- 3634 Electric housewares and fans (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 335211 do not include establishments primarily engaged in the manufacture of electric hair clippers for humans. The NAICS definitions will be fully implemented with the 2002 Economic Census.

335212 Household Vacuum Cleaner Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric vacuum cleaners, electric floor waxing machines, and other electric floor care machines typically for household use.

The data published with NAICS code 335212 include the following SIC industries:

- 3635 Household vacuum cleaners
- 3639 Household appliances, n.e.c. (pt)

33522 Major Appliance Manufacturing

This industry comprises establishments primarily engaged in manufacturing household-type cooking appliances, household-type laundry equipment, household-type refrigerators, upright and chest freezers, and other electrical and nonelectrical major household-type appliances, such as dishwashers, water heaters, and garbage disposal units.

335221 Household Cooking Appliance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type electric and nonelectric cooking equipment (except small electric appliances and electric housewares).

The data published with NAICS code 335221 include the following SIC industry:

- 3631 Household cooking equipment

335222 Household Refrigerator and Home Freezer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type refrigerators and upright and chest freezers.

The data published with NAICS code 335222 include the following SIC industry:

3632 Household refrigerators and freezers

335224 Household Laundry Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type laundry equipment.

The data published with NAICS code 335224 include the following SIC industry:

3633 Household laundry equipment

335228 Other Major Household Appliance Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric and nonelectric major household-type appliances (except cooking equipment, refrigerators, upright and chest freezers, and household-type laundry equipment).

The data published with NAICS code 335228 include the following SIC industry:

3639 Household appliances, n.e.c. (pt)

3353 Electrical Equipment Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33531, Electrical Equipment Manufacturing.

33531 Electrical Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers; electric motors, generators, and motor generator sets; switchgear and switchboard apparatus; relays; and industrial controls.

335311 Power, Distribution, and Specialty Transformer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing power, distribution, and specialty transformers (except electronic components). Industrial-type and consumer-type transformers in this industry vary (e.g., step up or step down) voltage but do not convert alternating to direct or direct to alternating current.

The data published with NAICS code 335311 include the following SIC industries:

3548 Welding apparatus (pt)

3612 Transformers

335312 Motor and Generator Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing electric motors (except internal combustion engine starting motors), power generators (except battery charging alternators for internal combustion engines), and motor generator sets (except turbine generator set units). This industry includes establishments rewinding armatures on a factory basis.

The data published with NAICS code 335312 include the following SIC industries:

3621 Motors and generators

7694 Armature rewinding shops (pt)

335313 Switchgear and Switchboard Apparatus Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing switchgear and switchboard apparatus.

The data published with NAICS code 335313 include the following SIC industry:

3613 Switchgear and switchboard apparatus

335314 Relay and Industrial Control Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing relays, motor starters and controllers, and other industrial controls and control accessories.

The data published with NAICS code 335314 include the following SIC industry:

3625 Relays and industrial controls

3359 Other Electrical Equipment and Component Manufacturing

This industry group comprises establishments manufacturing electrical equipment and components (except electric lighting equipment, household-type appliances, transformers, switchgear, relays, motors, and generators).

33591 Battery Manufacturing

This industry comprises establishments primarily engaged in manufacturing primary and storage batteries.

335911 Storage Battery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing storage batteries.

The data published with NAICS code 335911 include the following SIC industry:

3691 Storage batteries

335912 Primary Battery Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wet or dry primary batteries.

The data published with NAICS code 335912 include the following SIC industry:

3692 Primary batteries, dry and wet

33592 Communication and Energy Wire and Cable Manufacturing

This industry comprises establishments insulating fiber-optic cable, and manufacturing insulated nonferrous wire and cable from nonferrous wire drawn in other establishments.

335921 Fiber Optic Cable Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated fiber-optic cable from purchased fiber-optic strand.

The data published with NAICS code 335921 include the following SIC industry:

3357 Nonferrous wire drawing and insulating (pt)

335929 Other Communication and Energy Wire Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing insulated wire and cable of nonferrous metals from purchased wire.

The data published with NAICS code 335929 include the following SIC industry:

3357 Nonferrous wire drawing and insulating (pt)

33593 Wiring Device Manufacturing

This industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices and noncurrent-carrying wiring devices for wiring electrical circuits.

335931 Current-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing current-carrying wiring devices.

The data published with NAICS code 335931 include the following SIC industry:

3643 Current-carrying wiring devices

335932 Noncurrent-Carrying Wiring Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing noncurrent-carrying wiring devices.

The data published with NAICS code 335932 include the following SIC industry:

3644 Noncurrent-carrying wiring devices

33599 All Other Electrical Equipment and Component Manufacturing

This industry comprises establishments primarily engaged in manufacturing electrical equipment (except electric lighting equipment, household-type appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, and wiring devices).

335991 Carbon and Graphite Product Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon, graphite, and metal-graphite brushes and brush stock; carbon or graphite electrodes for thermal and electrolytic uses; carbon and graphite fibers; and other carbon, graphite, and metal-graphite products.

The data published with NAICS code 335991 include the following SIC industry:

3624 Carbon and graphite products

335999 All Other Miscellaneous Electrical Equipment and Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing industrial and commercial electric apparatus and other equipment (except lighting equipment, household appliances, transformers, motors, generators, switchgear, relays, industrial controls, batteries, communication and energy wire and cable, wiring devices, and carbon and graphite products). This industry includes power converters (i.e., AC to DC and DC to AC), power supplies, surge suppressors, and similar equipment for industrial-type and consumer-type equipment.

The data published with NAICS code 335999 include the following SIC industries:

3629 Electrical industrial apparatus, n.e.c.

3699 Electrical equipment and supplies, n.e.c. (pt)

336 Transportation Equipment Manufacturing

Industries in the Transportation Equipment Manufacturing subsector produce equipment for transporting people and goods. Transportation equipment is a type of machinery. An entire subsector is devoted to this activity because of the significance of its economic size in all three North American countries.

Establishments in this subsector utilize production processes similar to those of other machinery manufacturing establishments - bending, forming, welding, machining, and assembling metal or plastic parts into components and finished products. However, the assembly of components and subassemblies and their further assembly into finished vehicles tends to be a more common production process in this subsector than in the Machinery Manufacturing subsector.

NAICS has industry groups for the manufacture of equipment for each mode of transport - road, rail, air, and water. Parts for motor vehicles warrant a separate industry group because of their importance and because parts manufacture requires less assembly, and the establishments that manufacture only parts are not as vertically integrated as those that make complete vehicles.

Land use motor vehicle equipment not designed for highway operation (e.g., agricultural equipment, construction equipment, and materials handling equipment) is classified in the appropriate NAICS subsector based on the type and use of the equipment.

3361 Motor Vehicle Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33611, Automobile and Light Duty Motor Vehicle Manufacturing; and 33612, Heavy Duty Truck Manufacturing.

33611 Automobile and Light Duty Motor Vehicle Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing complete automobile and light duty motor vehicles (i.e., body and chassis or unibody) or (2) manufacturing chassis only.

336111 Automobile Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete automobiles (i.e., body and chassis or unibody) or (2) manufacturing automobile chassis only.

The data published with NAICS code 336111 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

336112 Light Truck and Utility Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete light trucks and utility vehicles (i.e., body and chassis) or (2) manufacturing light truck and utility vehicle chassis only. Vehicles made include light duty vans, pick-up trucks, minivans, and sport utility vehicles.

The data published with NAICS code 336112 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

33612 Heavy Duty Truck Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special-purpose, heavy duty motor vehicles for highway use or (2) manufacturing heavy duty truck chassis only.

336120 Heavy Duty Truck Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing heavy duty truck chassis and assembling complete heavy duty trucks, buses, heavy duty motor homes, and other special-purpose, heavy duty motor vehicles for highway use or (2) manufacturing heavy duty truck chassis only.

The data published with NAICS code 336120 include the following SIC industry:

3711 Motor vehicles and car bodies (pt)

3362 Motor Vehicle Body and Trailer Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33621, Motor Vehicle Body and Trailer Manufacturing.

33621 Motor Vehicle Body and Trailer Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing motor vehicle bodies and cabs or (2) manufacturing truck, automobile and utility trailers, truck trailer chassis, detachable trailer bodies and detachable trailer chassis. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

Motor homes are units where the motor and the living quarters are contained in the same integrated unit, while travel trailers are designed to be towed by a motor unit, such as an automobile or a light truck.

336211 Motor Vehicle Body Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing truck and bus bodies and cabs and automobile bodies. The products made may be sold separately or may be assembled on purchased chassis and sold as complete vehicles.

The data published with NAICS code 336211 include the following SIC industries:

3711 Motor vehicles and car bodies (pt)

3713 Truck and bus bodies

3714 Motor vehicle parts and accessories (pt)

336212 Truck Trailer Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing truck trailers, truck trailer chassis, cargo container chassis, detachable trailer bodies, and detachable trailer chassis for sale separately.

The data published with NAICS code 336212 include the following SIC industry:

3715 Truck trailers

336213 Motor Home Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing motor homes on purchased chassis and/or (2) manufacturing conversion vans on an assembly line basis. Motor homes are units where the motor and the living quarters are integrated in the same unit.

The data published with NAICS code 336213 include the following SIC industry:

3716 Motor homes

336214 Travel Trailer and Camper Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing travel trailers and campers designed to attach to motor vehicles; (2) manufacturing pickup coaches (i.e., campers) and caps (i.e., covers) for mounting on pickup trucks; and (3) manufacturing automobile, utility, and light-truck trailers. Travel trailers do not have their own motor but are designed to be towed by a motor unit, such as an automobile or a light truck.

The data published with NAICS code 336214 include the following SIC industries:

3792 Travel trailer and campers

3799 Transportation equipment, n.e.c. (pt)

3363 Motor Vehicle Parts Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33631, Motor Vehicle Gasoline Engine and Engine Parts Manufacturing; 33632, Motor Vehicle Electrical and Electronic Equipment Manufacturing; 33633, Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing; 33634, Motor Vehicle Brake System Manufacturing; 33635, Motor Vehicle Transmission and Power Train Parts Manufacturing; 33636, Motor Vehicle Seating and Interior Trim Manufacturing; 33637, Motor Vehicle Metal Stamping; and 33639, Other Motor Vehicle Parts Manufacturing.

33631 Motor Vehicle Gasoline Engine and Engine Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle gasoline engines and engine parts, whether or not for vehicular use.

336311 Carburetor, Piston, Piston Ring, and Valve Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding carburetors, pistons, piston rings, and engine intake and exhaust valves.

The data published with NAICS code 336311 include the following SIC industries:

3592 Carburetors, pistons, rings, and valves

336312 Gasoline Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding gasoline motor vehicle engines and gasoline motor vehicle engine parts, excluding carburetors, pistons, piston rings, and valves.

The data published with NAICS code 336312 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33632 Motor Vehicle Electrical and Electronic Equipment Manufacturing

This industry comprises establishments primarily engaged in (1) manufacturing vehicular lighting and/or (2) manufacturing and/or rebuilding motor vehicle electrical and electronic equipment. The products made can be used for all types of transportation equipment (i.e., aircraft, automobiles, trains, ships).

336321 Vehicular Lighting Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing vehicular lighting fixtures.

The data published with NAICS code 336321 include the following SIC industry:

3647 Vehicular lighting equipment

336322 Other Motor Vehicle Electrical and Electronic Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding electrical and electronic equipment for motor vehicles and internal combustion engines.

The data published with NAICS code 336322 include the following SIC industries:

3679 Electronic components, n.e.c. (pt)

3694 Engine electrical equipment

3714 Motor vehicle parts and accessories (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336322 include establishments primarily engaged in the manufacture of electronic control modular chips for motor vehicles. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33633 Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

336330 Motor Vehicle Steering and Suspension Component (Except Spring) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle steering mechanisms and suspension components (except springs).

The data published with NAICS code 336330 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33634 Motor Vehicle Brake System Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

336340 Motor Vehicle Brake System Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle brake systems and related components.

The data published with NAICS code 336340 include the following SIC industries:

3292 Asbestos products (pt)

3714 Motor vehicle parts and accessories (pt)

33635 Motor Vehicle Transmission and Power Train Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

336350 Motor Vehicle Transmission and Power Train Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle transmission and power train parts.

The data published with NAICS code 336350 include the following SIC industry:

3714 Motor vehicle parts and accessories (pt)

33636 Motor Vehicle Seating and Interior Trim Manufacturing

This industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

336360 Motor Vehicle Seating and Interior Trim Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle seating, seats, seat frames, seat belts, and interior trimmings.

The data published with NAICS code 336360 include the following SIC industries:

2396 Automotive and apparel trimmings (pt)

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

2531 Public building and related furniture (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336360 do not include establishments primarily engaged in the manufacture of metal motor vehicle seat frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33637 Motor Vehicle Metal Stamping

This industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

336370 Motor Vehicle Metal Stamping

This U.S. industry comprises establishments primarily engaged in manufacturing motor vehicle stampings, such as fenders, tops, body parts, trim, and molding.

The data published with NAICS code 336370 include the following SIC industry:

3465 Automotive stampings

33639 Other Motor Vehicle Parts Manufacturing

This industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, and motor vehicle stampings).

336391 Motor Vehicle Air-Conditioning Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing air-conditioning systems and compressors for motor vehicles, such as automobiles, trucks, buses, aircraft, farm machinery, construction machinery, and other related vehicles.

The data published with NAICS code 336391 include the following SIC industry:

3585 Refrigeration and heating equipment (pt)

336399 All Other Motor Vehicle Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing and/or rebuilding motor vehicle parts and accessories (except motor vehicle gasoline engines and engine parts, motor vehicle electrical and electronic equipment, motor vehicle steering and suspension components, motor vehicle brake systems, motor vehicle transmission and power train parts, motor vehicle seating and interior trim, motor vehicle stampings, and motor vehicle air-conditioning systems and compressors).

The data published with NAICS code 336399 include the following SIC industries:

3519 Internal combustion engines, n.e.c. (pt)

3714 Motor vehicle parts and accessories (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336399 do not include establishments primarily engaged in the manufacture of luggage and utility racks or trailer hitches. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3364 Aerospace Product and Parts Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33641, Aerospace Product and Parts Manufacturing.

33641 Aerospace Product and Parts Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing complete aircraft, missiles, or space vehicles; (2) manufacturing aerospace engines, propulsion units, auxiliary equipment or parts; (3) developing and making prototypes of aerospace products; (4) aircraft conversion (i.e., major modifications to systems); and (5) complete aircraft or propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

336411 Aircraft Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing or assembling complete aircraft; (2) developing and making aircraft prototypes; (3) aircraft conversion (i.e., major modifications to systems); and (4) complete aircraft overhaul and rebuilding (i.e., periodic restoration of aircraft to original design specifications).

The data published with NAICS code 336411 include the following SIC industry:

3721 Aircraft

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 336411 do not include establishments primarily engaged in the manufacture of target drones. The NAICS definitions will be fully implemented with the 2002 Economic Census.

336412 Aircraft Engine and Engine Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing aircraft engines and engine parts; (2) developing and making prototypes of aircraft engines and engine parts; (3) aircraft propulsion system conversion (i.e., major modifications to systems); and (4) aircraft propulsion systems overhaul and rebuilding (i.e., periodic restoration of aircraft propulsion system to original design specifications).

The data published with NAICS code 336412 include the following SIC industry:

3724 Aircraft engines and engine parts

336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing aircraft parts or auxiliary equipment (except engines and aircraft fluid power subassemblies) and/or (2) developing and making prototypes of aircraft parts and auxiliary equipment. Auxiliary equipment includes such items as crop dusting apparatus, armament racks, inflight refueling equipment, and external fuel tanks.

The data published with NAICS code 336413 include the following SIC industry:

3728 Aircraft parts and equipment, n.e.c. (pt)

336414 Guided Missile and Space Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing complete guided missiles and space vehicles and/or (2) developing and making prototypes of guided missile or space vehicles.

The data published with NAICS code 336414 include the following SIC industry:

3761 Guided missiles and space vehicles

336415 Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing guided missile and/or space vehicle propulsion units and propulsion unit parts and/or (2) developing and making prototypes of guided missile and space vehicle propulsion units and propulsion unit parts.

The data published with NAICS code 336415 include the following SIC industry:

3764 Space propulsion units and parts

336419 Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing guided missile and space vehicle parts and auxiliary equipment (except guided missile and space vehicle propulsion units and propulsion unit parts) and/or (2) developing and making prototypes of guided missile and space vehicle parts and auxiliary equipment.

The data published with NAICS code 336419 include the following SIC industry:

3769 Space vehicle equipment, n.e.c.

3365 Railroad Rolling Stock Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33651, Railroad Rolling Stock Manufacturing.

33651 Railroad Rolling Stock Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing and/or rebuilding locomotives, locomotive frames and parts; (2) manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and (3) manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

336510 Railroad Rolling Stock Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing and/or rebuilding locomotives, locomotive frames, and parts; (2) manufacturing railroad, street, and rapid transit cars and car equipment for operation on rails for freight and passenger service; and (3) manufacturing rail layers, ballast distributors, rail tamping equipment, and other railway track maintenance equipment.

The data published with NAICS code 336510 include the following SIC industries:

3531 Construction machinery (pt)

3743 Railroad equipment (pt)

3366 Ship and Boat Building

This NAICS industry group includes establishments classified in NAICS Industry 33661, Ship and Boat Building.

33661 Ship and Boat Building

This industry comprises establishments primarily engaged in operating shipyards or boat yards (i.e., ship or boat manufacturing facilities). Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Boats are defined as watercraft typically suitable or intended for personal use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

336611 Ship Building and Repairing

This U.S. industry comprises establishments primarily engaged in operating a shipyard. Shipyards are fixed facilities with drydocks and fabrication equipment capable of building a ship, defined as watercraft typically suitable or intended for other than personal or recreational use. Activities of shipyards include the construction of ships, their repair, conversion and alteration, the production of prefabricated ship and barge sections, and specialized services, such as ship scaling.

The data published with NAICS code 336611 include the following SIC industry:

3731 Ship building and repairing

336612 Boat Building

This U.S. industry comprises establishments primarily engaged in building boats. Boats are defined as watercraft not built in shipyards and typically of the type suitable or intended for personal use.

The data published with NAICS code 336612 include the following SIC industry:

3732 Boat building and repairing (pt)

3369 Other Transportation Equipment Manufacturing

This industry group comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles and parts, aerospace products and parts, railroad rolling stock, ship building, and boat manufacturing).

33699 Other Transportation Equipment Manufacturing

This industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, metal tricycles, complete military armored vehicles, tanks, self-propelled weapons, vehicles pulled by draft animals, and other transportation equipment (except motor vehicles, boats, ships, railroad rolling stock, and aerospace products), including parts thereof.

336991 Motorcycle, Bicycle, and Parts Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing motorcycles, bicycles, tricycles and similar equipment and parts.

The data published with NAICS code 336991 include the following SIC industries:

3751 Motorcycles, bicycles, and parts

3944 Games, toys, and children's vehicles (pt)

336992 Military Armored Vehicle, Tank, and Tank Component Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete military armored vehicles, combat tanks, specialized components for combat tanks, and self-propelled weapons.

The data published with NAICS code 336992 include the following SIC industries:

3711 Motor vehicles and car bodies (pt)

3795 Tanks and tank components

336999 All Other Transportation Equipment Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing transportation equipment (except motor vehicles, motor vehicle parts, boats, ships, railroad rolling stock, aerospace products, motorcycles, bicycles, armored vehicles, and tanks).

The data published with NAICS code 336999 include the following SIC industry:

3799 Transportation equipment, n.e.c. (pt)

337 Furniture and Related Product Manufacturing

Industries in the Furniture and Related Product Manufacturing subsector make furniture and related articles, such as mattresses, window blinds, cabinets, and fixtures. The processes used in the manufacture of furniture include the cutting, bending, molding, laminating, and assembly of such materials as wood, metal, glass, plastics, and rattan. However, the production process for furniture is not solely bending metal, cutting and shaping wood, or extruding and molding plastics. Design and fashion trends play an important part in the production of furniture. The integrated design of the article for both esthetic and functional qualities is also a major part of the process of manufacturing furniture. Design services may be performed by the furniture establishment's work force or may be purchased from industrial designers.

Furniture may be made of any material, but the most common ones used in North America are metal and wood. Furniture manufacturing establishments may specialize in making articles primarily from one material. Some of the

equipment required to make a wooden table, for example, is different from that used to make a metal one. However, furniture is usually made from several materials. A wooden table might have metal brackets, and a wooden chair, a fabric or plastics seat. Therefore, in NAICS, furniture initially is classified based on the type of furniture (application for which it is designed) rather than the material used. For example, an upholstered sofa is treated as household furniture, although it may also be used in hotels or offices.

When classifying furniture according to the component material from which it is made, furniture made from more than one material is classified based on the material used in the frame, or if there is no frame, the predominant component material. Upholstered household furniture (excluding kitchen and dining room chairs with upholstered seats) is classified without regard to the frame material. Kitchen or dining room chairs with upholstered seats are classified according to the frame material.

Furniture may be made on a stock or custom basis and may be shipped assembled or unassembled (i.e., knock-down). The manufacture of furniture parts and frames is included in this subsector.

Some of the processes used in furniture manufacturing are similar to processes that are used in other segments of manufacturing. For example, cutting and assembly occurs in the production of wood trusses that are classified in Subsector 321, Wood Product Manufacturing. However, the multiple processes that distinguish wood furniture manufacturing from wood product manufacturing warrant inclusion of wooden furniture manufacturing in the Furniture and Related Product Manufacturing subsector. Metal furniture manufacturing uses techniques that are also employed in the manufacturing of roll-formed products classified in Subsector 332, Fabricated Metal Product Manufacturing. The molding process for plastics furniture is similar to the molding of other plastics products. However, plastics furniture producing establishments tend to specialize in furniture.

NAICS attempts to keep furniture manufacturing together, but there are two notable exceptions: seating for transportation equipment and laboratory and hospital furniture. These exceptions are related to that fact that some of the aspects of the production process for these products, primarily the design, are highly integrated with that of other manufactured goods, namely motor vehicles and health equipment.

3371 Household and Institutional Furniture and Kitchen Cabinet Manufacturing

This industry group comprises establishments manufacturing household-type furniture, such as living room, kitchen, and bedroom furniture, and institutional (i.e., public building) furniture, such as furniture for schools, theaters, and churches.

33711 Wood Kitchen Cabinet and Countertop Manufacturing

This industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

337110 Wood Kitchen Cabinet and Countertop Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood or plastics laminated on wood kitchen cabinets, bathroom vanities, and countertops (except freestanding). The cabinets and counters may be made on a stock or custom basis.

The data published with NAICS code 3371110 include the following SIC industries:

2434 Wood kitchen cabinets

2541 Wood partitions and fixtures (pt)

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337110 include establishments primarily engaged in manufacturing wood countertops as part of wood office and store fixtures. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33712 Household and Institutional Furniture Manufacturing

This industry comprises establishments primarily engaged in manufacturing household-type and public building furniture (i.e., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337121 Upholstered Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing upholstered household-type furniture. The furniture may be made on a stock or custom basis.

The data published with NAICS code 337121 include the following SIC industries:

2512 Upholstered household furniture

2515 Mattresses and bedsprings (pt)

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337121 do not include establishments primarily engaged in manufacturing upholstered metal household furniture. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337122 Nonupholstered Wood Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonupholstered wood household-type furniture and freestanding cabinets (except television, radio, and sewing machine cabinets). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337122 include the following SIC industries:

2511 Wood household furniture

5712 Furniture stores (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337122 include establishments primarily engaged in manufacturing wood box spring frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337124 Metal Household Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing metal household-type furniture and freestanding cabinets. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337124 include the following SIC industry:

2514 Metal household furniture

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337124 include establishments primarily engaged in manufacturing upholstered metal household furniture or metal box spring frames. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337125 Household Furniture (Except Wood and Metal) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing household-type furniture of materials other than wood or metal, such as plastics, reed,

rattan, wicker, and fiberglass. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337125 include the following SIC industry:

2519 Household furniture, n.e.c.

337127 Institutional Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing institutional-type furniture (e.g., library, school, theater, and church furniture). The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337127 include the following SIC industries:

2531 Public building and related furniture (pt)

2599 Furniture and fixtures, n.e.c. (pt)

3952 Lead pencils and art goods (pt)

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

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337127 do not include establishments primarily engaged in manufacturing wood or nonwood lunchroom tables and chairs. The NAICS definitions will be fully implemented with the 2002 Economic Census.

337129 Wood Television, Radio, and Sewing Machine Cabinet Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood cabinets used as housings by television, stereo, loudspeaker, and sewing machine manufacturers.

The data published with NAICS code 337129 include the following SIC industry:

2517 Wood TV and radio cabinets

3372 Office Furniture (Including Fixtures) Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33721, Office Furniture (Including Fixtures) Manufacturing.

33721 Office Furniture (Including Fixtures) Manufacturing

This industry comprises establishments primarily engaged in manufacturing office furniture and/or office and store fixtures. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

337211 Wood Office Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337211 include the following SIC industry:

2521 Wood office furniture

337212 Custom Architectural Woodwork and Millwork Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing custom designed interiors consisting of architectural woodwork and fixtures utilizing wood, wood products, and plastics laminates. All of the industry output is made to individual order on a job shop basis and requires skilled craftsmen as a labor input. A job might include custom manufacturing of display fixtures, gondolas, wall shelving units, entrance and window architectural detail, sales and reception counters, wall paneling, and matching furniture.

The data published with NAICS code 337212 include the following SIC industry:

2541 Wood partitions and fixtures (pt)

337214 Office Furniture (Except Wood) Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonwood office-type furniture. The furniture may be made on a stock or custom basis and may be assembled or unassembled (i.e., knockdown).

The data published with NAICS code 337214 include the following SIC industry:

2522 Office furniture, except wood

337215 Showcase, Partition, Shelving, and Locker Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing wood and nonwood office and store fixtures, shelving, lockers, frames, partitions, and related fabricated products of wood and nonwood materials, including plastics laminated fixture tops. The products are made on a stock basis and may be assembled or unassembled (i.e., knockdown). Establishments exclusively making furniture parts (e.g., frames) are included in this industry.

The data published with NAICS code 337215 include the following SIC industries:

2426 Hardwood dimension and flooring mills (pt)

2541 Wood partitions and fixtures (pt)

2542 Partitions and fixtures, except wood

3499 Fabricated metal products, n.e.c. (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 337215 include establishments primarily engaged in manufacturing wood or non-wood lunchroom tables and chairs, but do not include establishments primarily engaged in manufacturing wood or metal box spring frames, finished plastic furniture parts, convertible bed sleeper mechanisms or chair glides. The NAICS definitions will be fully implemented with the 2002 Economic Census.

3379 Other Furniture Related Product Manufacturing

This industry group comprises establishments manufacturing furniture related products, such as mattresses, blinds, and shades.

33791 Mattress Manufacturing

This industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

337910 Mattress Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing innerspring, box spring, and noninnerspring mattresses, including mattresses for waterbeds.

The data published with NAICS code 337910 include the following SIC industry:

2515 Mattresses and bedsprings (pt)

33792 Blind and Shade Manufacturing

This industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

337920 Blind and Shade Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing one or more of the following: venetian blinds, other window blinds, shades; curtain and drapery rods, poles; and/or curtain and drapery fixtures. The blinds and shades may be made on a stock or custom basis and may be made of any material.

The data published with NAICS code 337920 include the following SIC industry:

2591 Drapery hardware, blinds, and shades

339 Miscellaneous Manufacturing

Industries in the Miscellaneous Manufacturing subsector make a wide range of products that cannot readily be classified in specific NAICS subsectors in manufacturing. Processes used by these establishments vary significantly, both among and within industries. For example, a variety of manufacturing processes are used in manufacturing sporting and athletic goods that include products, such as tennis racquets and golf balls. The processes for these products differ from each other, and the processes differ significantly from the fabrication processes used in making dolls or toys, the melting and shaping of precious metals to make jewelry, and the bending, forming, and assembly used in making medical products.

The industries in this subsector are defined by what is made rather than how it is made. Although individual establishments might be appropriately classified elsewhere in the NAICS structure, for historical continuity, these product-based industries were maintained. In most cases, no one process or material predominates for an industry.

Establishments in this subsector manufacture products as diverse as medical equipment and supplies, jewelry, sporting goods, toys, and office supplies.

3391 Medical Equipment and Supplies Manufacturing

This NAICS industry group includes establishments classified in NAICS Industry 33911, Medical Equipment and Supplies Manufacturing.

33911 Medical Equipment and Supplies Manufacturing

This industry comprises establishments primarily engaged in manufacturing medical equipment and supplies. Examples of products made by these establishments are laboratory apparatus and furniture, surgical and medical instruments, surgical appliances and supplies, dental equipment and supplies, orthodontic goods, dentures, and orthodontic appliances.

339111 Laboratory Apparatus and Furniture Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing laboratory apparatus and laboratory and hospital furniture (except dental). Examples of products made by these establishments are hospital beds, operating room tables, laboratory balances and scales, furnaces, ovens, centrifuges, cabinets, cases, benches, tables, and stools.

The data published with NAICS code 339111 include the following SIC industry:

3821 Laboratory apparatus and furniture

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339111 do not include establishments primarily engaged in the manufacture of hospital beds or operating tables. The NAICS definitions will be fully implemented with the 2002 Economic Census.

339112 Surgical and Medical Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing medical, surgical, ophthalmic, and veterinary instruments and apparatus (except electrotherapeutic, electromedical, and irradiation apparatus). Examples of products made by these establishments are syringes, hypodermic needles, anesthesia apparatus, blood transfusion equipment, catheters, surgical clamps, and medical thermometers.

The data published with NAICS code 339112 include the following SIC industries:

3829 Measuring and controlling devices, n.e.c. (pt)

3841 Surgical and medical instruments

339113 Surgical Appliance and Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing surgical appliances and supplies. Examples of products made by these establishments are orthopedic devices, prosthetic appliances, surgical dressings, crutches, surgical sutures, and personal industrial safety devices (except protective eyewear).

The data published with NAICS code 339113 include the following SIC industries:

2599 Furniture and fixtures, n.e.c. (pt)

3842 Surgical appliances and supplies (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339113 do not include establishments primarily engaged in the manufacture of rubber gloves and life jackets. The NAICS definitions will be fully implemented with the 2002 Economic Census.

339114 Dental Equipment and Supplies Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing dental equipment and supplies used by dental laboratories and offices of dentists, such as dental chairs, dental instrument delivery systems, dental hand instruments, and dental impression material.

The data published with NAICS code 339114 include the following SIC industries:

3699 Electrical equipment and supplies, n.e.c. (pt)

3843 Dental equipment and supplies

339115 Ophthalmic Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing ophthalmic goods. Examples of products made by these establishments are prescription eyeglasses (except manufactured in a retail setting), contact lenses, sunglasses, eyeglass frames, and reading glasses made to standard powers.

The data published with NAICS code 339115 include the following SIC industry:

3851 Ophthalmic goods

339116 Dental Laboratories

This U.S. industry comprises establishments primarily engaged in manufacturing dentures, crowns, bridges, and orthodontic appliances customized for individual application.

The data published with NAICS code 339116 include the following SIC industry:

8072 Dental laboratories

3399 Other Miscellaneous Manufacturing

This NAICS industry group includes establishments classified in the following NAICS Industries: 33991, Jewelry and Silverware Manufacturing; 33992, Sporting and Athletic Goods Manufacturing; 33993, Doll, Toy, and Game Manufacturing; 33994, Office Supplies (Except Paper) Manufacturing; 33995, Sign Manufacturing; and 33999, All Other Miscellaneous Manufacturing.

33991 Jewelry and Silverware Manufacturing

This industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing, engraving, chasing, or etching jewelry; (2) manufacturing metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases); (3) manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter cutlery and flatware; (4) manufacturing, engraving, chasing, or etching personal metal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases); (5) stamping coins; (6) manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing; (7) cutting, slabbing, tumbling, carving, engraving, polishing, or faceting precious or semiprecious stones and gems; (8) recutting, repolishing, and setting gem stones; and (9) drilling, sawing, and peeling cultured and costume pearls.

339911 Jewelry (Except Costume) Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing, engraving, chasing, or etching precious metal solid or precious metal clad jewelry; (2) manufacturing, engraving, chasing, or etching personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases) made of precious solid or clad metal; and (3) stamping coins.

The data published with NAICS code 339911 include the following SIC industries:

3479 Metal coating and allied services (pt)

3911 Jewelry, precious metal

339912 Silverware and Holloware Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing, engraving, chasing, or etching precious metal solid, precious metal clad, or pewter flatware and other plated ware.

The data published with NAICS code 339912 include the following SIC industries:

3479 Metal coating and allied services (pt)

3914 Silverware and plated ware (pt)

339913 Jewelers' Material and Lapidary Work Manufacturing

This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) manufacturing unassembled jewelry parts and stock shop products, such as sheet, wire, and tubing; (2) cutting, slabbing, tumbling, carving, engraving, polishing or faceting precious or semiprecious stones and gems; (3) recutting, repolishing, and setting gem stones; and (4) drilling, sawing, and peeling cultured pearls.

The data published with NAICS code 339913 include the following SIC industry:

3915 Jewelers' materials and lapidary work

339914 Costume Jewelry and Novelty Manufacturing

This U.S. industry comprises establishments primarily engaged in (1) manufacturing, engraving, chasing, and etching costume jewelry; and/or (2) manufacturing, engraving, chasing, or etching nonprecious metal personal goods (i.e., small articles carried on or about the person, such as compacts or cigarette cases). This industry includes establishments primarily engaged in manufacturing precious plated jewelry and precious plated personal goods.

The data published with NAICS code 339914 include the following SIC industries:

3479 Metal coating and allied services (pt)

3499 Fabricated metal products, n.e.c. (pt)

3961 Costume jewelry

33992 Sporting and Athletic Goods Manufacturing

This industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

339920 Sporting and Athletic Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing sporting and athletic goods (except apparel and footwear).

The data published with NAICS code 339920 include the following SIC industry:

3949 Sporting and athletic goods, n.e.c.

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339920 do not include establishments primarily engaged in the manufacture of wet suits. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33993 Doll, Toy, and Game Manufacturing

This industry comprises establishments primarily engaged in manufacturing dolls, toys, and games, such as complete dolls, doll parts, doll clothes, action figures, toys, games (including electronic), hobby kits, and children's vehicles (except metal bicycles and tricycles).

339931 Doll and Stuffed Toy Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing complete dolls, doll parts, and doll clothes, action figures, and stuffed toys.

The data published with NAICS code 339931 include the following SIC industry:

3942 Dolls

339932 Game, Toy, and Children's Vehicle Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing games (including electronic), toys, and children's vehicles (except bicycles and metal tricycles).

The data published with NAICS code 339932 include the following SIC industry:

3944 Games, toys, and children's vehicles (pt)

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339932 do not include

establishments primarily engaged in the manufacture of rubber toys, except dolls or embroidery kits. The NAICS definitions will be fully implemented with the 2002 Economic Census.

33994 Office Supplies (Except Paper) Manufacturing

This industry comprises establishments primarily engaged in manufacturing office supplies. Examples of products made by these establishments are pens, pencils, felt tip markers, crayons, chalk, pencil sharpeners, staplers, hand operated stamps, modeling clay, and inked ribbons.

339941 Pen and Mechanical Pencil Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing pens, ballpoint pen refills and cartridges, mechanical pencils, and felt tipped markers.

The data published with NAICS code 339941 include the following SIC industry:

3951 Pens and mechanical pencils

339942 Lead Pencil and Art Goods Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing nonmechanical pencils and art goods. Examples of products made by these establishments are pencil leads, crayons, chalk, framed blackboards, pencil sharpeners, staplers, artists' palettes and paints, and modeling clay.

The data published with NAICS code 339942 include the following SIC industries:

2531 Public building and related furniture (pt)

3579 Office machines, n.e.c. (pt)

3952 Lead pencils and art goods (pt)

339943 Marking Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing marking devices, such as hand operated stamps, embossing stamps, stamp pads, and stencils.

The data published with NAICS code 339943 include the following SIC industry:

3953 Marking devices

339944 Carbon Paper and Inked Ribbon Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing carbon paper and inked ribbons.

The data published with NAICS code 339944 include the following SIC industry:

3955 Carbon paper and inked ribbons

33995 Sign Manufacturing

This industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, displays).

339950 Sign Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing signs and related displays of all materials (except printing paper and paperboard signs, notices, displays).

The data published with NAICS code 339950 include the following SIC industries:

3993 Signs and advertising specialties

33999 All Other Miscellaneous Manufacturing

This industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), and signs).

339991 Gasket, Packing, and Sealing Device Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing gaskets, packing, and sealing devices of all materials.

The data published with NAICS code 339991 include the following SIC industry:

3053 Gaskets, packing and sealing devices

339992 Musical Instrument Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing musical instruments (except toys).

The data published with NAICS code 339992 include the following SIC industry:

3931 Musical instruments

339993 Fastener, Button, Needle, and Pin Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing fasteners, buttons, needles, pins, and buckles (except precious metals or precious and semiprecious stones and gems).

The data published with NAICS code 339993 include the following SIC industries:

3131 Footwear cut stock and findings (pt)

3965 Fasteners, buttons, needles, and pins

339994 Broom, Brush, and Mop Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing brooms, mops, and brushes.

The data published with NAICS code 339994 include the following SIC industries:

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

3991 Brooms and brushes

339995 Burial Casket Manufacturing

This U.S. industry comprises establishments primarily engaged in manufacturing burial caskets, cases, and vaults (except concrete).

The data published with NAICS code 339995 include the following SIC industry:

3995 Burial caskets

339999 All Other Miscellaneous Manufacturing

This U.S. industry comprises establishments primarily engaged in miscellaneous manufacturing (except medical

equipment and supplies, jewelry and flatware, sporting and athletic goods, dolls, toys, games, office supplies (except paper), musical instruments, fasteners, buttons, needles, pins, brooms, brushes, mops, and burial caskets).

The data published with NAICS code 339999 include the following SIC industries:

2499 Wood products, n.e.c. (pt)

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

This definition comes from the 1997 NAICS Manual. However, for this industry, the 1997 Economic Census – Manufacturing did not fully implement the conversion to NAICS. Data for NAICS industry 339999 do not include establishments primarily engaged in the manufacture of electronic cigarette lighters. The NAICS definitions will be fully implemented with the 2002 Economic Census.

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

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

1. Small single-establishment companies not sent a report form.

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

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

establishments but were included in the product and material “not specified by kind” (nsc) categories.

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

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

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

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

2. Establishments sent a report form.

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

- a. ASM sample establishments.

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

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

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

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

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

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

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

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

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

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

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

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

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

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector for 1997, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). This represents an expansion of the four-digit SIC-based U.S. industries from 459 in 1987. Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they originate. In the new system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits. These counts do not include the seven former manufacturing industries that are included in the 1997 Economic Census – Manufacturing.

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

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

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

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

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

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

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

ESTABLISHMENT BASIS OF REPORTING

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

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

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

DESCRIPTION OF THE ASM SURVEY SAMPLE

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

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

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

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

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

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

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1992 industry classification, its 1992 product class data, and the historical variability of the year-to-year estimates of the product class estimates. For each product class (1,755) and four-digit industry (459), a desired reliability

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

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling) which permits us to prevent small establishments from being selected in consecutive samples without introducing a bias into the survey estimates.

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

DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

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

Due to the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference

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

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

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

QUALIFICATIONS OF THE ASM DATA

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

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

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

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.

From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

DATA FROM THE CURRENT INDUSTRIAL REPORTS (CIR)

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

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

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

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

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

Appendix D.

Geographic Notes

ILLINOIS

Algonquin is in Kane and McHenry Counties.

Arlington Heights is in Cook and Lake Counties; it annexed into Lake County prior to 1990, but this change was not submitted to the Census Bureau until April 1995.

Aurora is in DuPage, Kane, Kendall, and Will Counties; it annexed into Kendall and Will Counties in December 1995.

Barrington is in Cook and Lake Counties.

Barrington Hills is in Cook, Kane, Lake, and McHenry Counties.

Bartlett is in Cook, DuPage, and Kane Counties.

Batavia is in DuPage and Kane Counties.

Bedford Park does not qualify as a “place” for the economic census based on its 1990 population but is included because of its dense concentration of economic activity.

Bensenville is in Cook and DuPage Counties.

Bolingbrook is in DuPage and Will Counties.

Buffalo Grove is in Cook and Lake Counties.

Burr Ridge is in Cook and DuPage Counties.

Casey is in Clark and Cumberland Counties.

Centralia is in Clinton, Marion, and Washington Counties.

Channahon is in Grundy and Will Counties.

Chicago is in Cook and DuPage Counties.

Coal City is in Grundy and Will Counties.

Coal Valley is in Henry and Rock Island Counties.

Collinsville is in Madison and St. Clair Counties.

Colona resulted from the merger of Green Rock (reported in the 1992 Economic Census) and Colona (not populous enough for separate tabulation in the 1992 Economic Census) in May 1995.

Columbia is in Monroe and St. Clair Counties; it annexed into St. Clair County in January 1993.

Deerfield is in Cook and Lake Counties.

Dwight is in Grundy and Livingston Counties.

East Dundee is in Cook and Kane Counties.

Elgin is in Cook and Kane Counties.

Elk Grove Village is in Cook and DuPage Counties.

Elmhurst is in Cook and DuPage Counties; it annexed into Cook County in July 1992.

Fox Lake is in Lake and McHenry Counties.

Fox River Grove is in Lake and McHenry Counties.

Hanover Park is in Cook and DuPage Counties.

Hinsdale is in Cook and DuPage Counties.

Hoffman Estates is in Cook and Kane Counties.

Huntley is in Kane and McHenry Counties.

Island Lake is in Lake and McHenry Counties.

Joliet is in Kendall and Will Counties; it annexed into Kendall County in June 1996.

Lemont is in Cook, DuPage, and Will Counties.

Madison is in Madison and St. Clair Counties.

Marion is in Johnson and Williamson Counties; it annexed into Johnson County in September 1993.

Matteson is in Cook and Will Counties; it annexed into Will County in February 1990, but this change was not submitted to the Census Bureau until May 1995.

Minooka is in Grundy and Will Counties.

Montgomery is in Kane and Kendall Counties.

Naperville is in DuPage and Will Counties.

New Baden is in Clinton and St. Clair Counties.

Oak Brook is in Cook and DuPage Counties.

Orland Park is in Cook and Will Counties; it annexed into Will County in January 1996.

Park Forest is in Cook and Will Counties.

Pekin is in Peoria and Tazewell Counties.

Peoria Heights is in Peoria, Tazewell, and Woodford Counties.

Roselle is in Cook and DuPage Counties.

St. Charles is in DuPage and Kane Counties.

Sandwich is in DeKalb and Kendall Counties.

Sauk Village is in Cook and Will Counties.

Schaumburg is in Cook and DuPage Counties.

Steger is in Cook and Will Counties.

Streator is in La Salle and Livingston Counties.

Tinley Park is in Cook and Will Counties.

University Park is in Cook and Will Counties.

Virden is in Macoupin and Sangamon Counties.

West Peoria was incorporated in November 1993.

Wheeling is in Cook and Lake Counties.

Woodridge is in Cook, DuPage, and Will Counties; it annexed into Cook County in June 1993.

Appendix E. Metropolitan Areas

ILLINOIS

Bloomington—Normal, IL MSA

McLean County, IL

Champaign—Urbana, IL MSA

Champaign County, IL

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

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

Davenport—Moline—Rock Island, IA—IL MSA

Henry County, IL

Rock Island County, IL

Scott County, IA

Decatur, IL MSA

Macon County, IL

Kankakee, IL PMSA

Kankakee County, IL

Peoria—Pekin, IL MSA

Peoria County, IL

Tazewell County, IL

Woodford County, IL

Rockford, IL MSA

Boone County, IL

Ogle County, IL

Winnebago County, IL

St. Louis, MO—IL MSA

Clinton County, IL

Jersey County, IL

Madison County, IL

Monroe County, IL

St. Clair County, IL

Franklin County, MO

Jefferson County, MO

Lincoln County, MO

St. Charles County, MO

St. Louis County, MO

Warren County, MO

St. Louis, MO (IC)

Springfield, IL MSA

Menard County, IL

Sangamon County, IL

