

# Marking Device Manufacturing: 2002

Issued January 2005

EC02-311-339943 (RV) (RV)

## 2002 Economic Census

*Manufacturing*

Industry Series



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U.S. Department of Commerce  
Economics and Statistics Administration  
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-- Not applicable for this report.

**Table 1. Historical Statistics for the Industry: 2002 and Earlier Years**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year <sup>1</sup>	Com-panies <sup>2</sup>	All estab-lish-ments <sup>3</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
339943, Marking device manufacturing . . . . 2002..	473	491	6 179	177 204	3 962	7 804	90 641	512 778	208 173	717 520	11 298
2001..	N	N	6 859	189 721	4 509	8 855	99 346	464 383	198 407	661 048	11 617
2000..	N	N	7 211	188 922	4 829	9 347	101 314	444 160	205 124	647 958	7 548
1999..	N	N	7 454	194 885	4 902	9 401	103 852	477 622	211 847	689 567	17 402
1998..	N	N	8 068	193 419	4 889	9 516	104 098	429 656	238 214	664 288	3 428
1997..	617	633	8 012	194 792	4 795	9 564	102 191	423 895	240 414	661 173	20 754

<sup>1</sup>Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

<sup>2</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 2. Industry Statistics for Selected States: 2002**

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by \*, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments <sup>2</sup>			All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E <sup>1</sup>	Total	With 20 employees or more	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
339943, Marking device manufacturing												
United States.....	3	491	69	6 179	177 204	3 962	7 804	90 641	512 778	208 173	717 520	'11 298
California.....	1	74	15	970	26 711	610	1 163	13 503	59 272	25 765	84 764	'1 464
Connecticut.....	5	11	1	108	2 943	84	161	1 719	5 707	3 201	8 881	'93
Florida.....	4	27	1	148	3 845	95	180	2 040	7 264	3 576	10 966	'103
Massachusetts.....	1	11	2	125	5 563	83	186	2 515	9 736	3 676	13 638	'395
Michigan.....	1	17	1	160	5 721	83	160	2 151	10 878	6 548	17 071	'128
New Jersey.....	1	21	4	338	9 580	235	508	5 350	21 845	17 853	39 227	'869
New York.....	3	27	2	180	4 624	112	213	2 643	9 089	5 738	14 948	'240
North Carolina.....	3	10	2	111	2 100	55	82	831	3 760	1 866	5 939	'85
Texas.....	5	34	4	271	7 039	199	348	4 050	13 095	6 113	19 259	'387
Washington.....	2	16	4	249	7 548	179	319	4 267	11 590	9 228	20 776	'373
Wisconsin.....	-	5	2	422	11 667	135	289	4 832	23 092	4 224	27 316	'816

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

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

**Table 3. Detailed Statistics by Industry: 2002**

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
<b>339943, Marking device manufacturing</b>	
Companies <sup>1</sup> .....	number.. 473
All establishments <sup>2</sup> .....	number.. 491
Establishments with 1 to 19 employees.....	number.. 422
Establishments with 20 to 99 employees.....	number.. 62
Establishments with 100 employees or more.....	number.. 7
All employees <sup>3</sup> .....	number.. 6 179
Total compensation.....	\$1,000.. 206 585
Annual payroll.....	\$1,000.. 177 204
Total fringe benefits.....	\$1,000.. 29 381
Production workers, average for year.....	number.. 3 962
Production workers on March 12.....	number.. 3 949
Production workers on May 12.....	number.. 4 017
Production workers on August 12.....	number.. 3 952
Production workers on November 12.....	number.. 3 906
Production worker hours.....	1,000.. 7 804
Production worker wages.....	\$1,000.. 90 641
Total cost of materials.....	\$1,000.. 208 173
Materials, parts, containers, packaging, etc., used.....	\$1,000.. 157 044
Resales.....	\$1,000.. 40 344
Purchased fuels.....	\$1,000.. 726
Purchased electricity.....	\$1,000.. 4 231
Contract work.....	\$1,000.. 5 828
Quantity of electricity purchased for heat and power.....	1,000 kWh.. 64 303
Quantity of electricity generated less sold for heat and power.....	1,000 kWh.. -
Total value of shipments.....	\$1,000.. 717 520
Primary products value of shipments.....	\$1,000.. 598 142
Secondary products value of shipments.....	\$1,000.. 49 371
Total miscellaneous receipts.....	\$1,000.. 70 007
Value of resales.....	\$1,000.. 65 664
Contract receipts.....	\$1,000.. 2 319
Other miscellaneous receipts.....	\$1,000.. 2 024
Primary products specialization ratio.....	percent.. 92
Value of primary products shipments made in all industries.....	\$1,000.. 640 207
Value of primary products shipments made in this industry.....	\$1,000.. 598 142
Value of primary products shipments made in other industries.....	\$1,000.. 42 065
Coverage ratio.....	percent.. 93
Value added.....	\$1,000.. 512 778
Total inventories, beginning of year.....	\$1,000.. 59 035
Finished goods inventories.....	\$1,000.. 29 462
Work-in-process inventories.....	\$1,000.. 6 862
Materials and supplies inventories.....	\$1,000.. 22 711
Total inventories, end of year.....	\$1,000.. 62 780
Finished goods inventories.....	\$1,000.. 32 322
Work-in-process inventories.....	\$1,000.. 7 433
Materials and supplies inventories.....	\$1,000.. 23 025
Gross value of depreciable assets (acquisition costs) at beginning of year.....	\$1,000.. 150 837
Total capital expenditures (new and used).....	\$1,000.. 11 298
Buildings and other structures (new and used).....	\$1,000.. 1 754
Machinery and equipment (new and used).....	\$1,000.. 10 544
Automobiles, trucks, etc., for highway use.....	\$1,000.. 1 596
Computers and peripheral data processing equipment.....	\$1,000.. 1 915
All other expenditures for machinery and equipment.....	\$1,000.. 8 033
Total retirements.....	\$1,000.. 6 564
Gross value of depreciable assets at end of year.....	\$1,000.. 155 571
Depreciation charges during year.....	\$1,000.. 14 280
Total rental payments.....	\$1,000.. 13 571
Buildings and other structures.....	\$1,000.. 9 216
Machinery and equipment.....	\$1,000.. 4 355
Total other expenses <sup>4</sup> .....	\$1,000.. 44 143
Response coverage ratio <sup>5</sup> .....	percent.. 56
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 1 727
Communications services <sup>4</sup> .....	\$1,000.. 1 801
Legal services <sup>4</sup> .....	\$1,000.. 835
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 954
Advertising and promotional services <sup>4</sup> .....	\$1,000.. 6 599
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 1 223
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. 311
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 613
Taxes and license fees <sup>4</sup> .....	\$1,000.. 2 310
All other expenses <sup>4</sup> .....	\$1,000.. 27 769

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

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Based on 2002 Annual Survey of Manufactures (ASM) sample data.

<sup>5</sup>A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 4. Industry Statistics by Employment Size: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E <sup>1</sup>	All establishments <sup>2</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)				
339943, Marking device manufacturing											
All establishments .....	3	491	6 179	177 204	3 962	7 804	90 641	512 778	208 173	717 520	'11 298
Establishments with—											
1 to 4 employees .....	8	271	574	16 181	408	775	9 208	31 902	15 346	46 917	'1 302
5 to 9 employees .....	4	81	559	14 663	370	724	8 175	30 487	14 283	44 308	'771
10 to 19 employees .....	3	70	929	26 642	579	1 148	14 177	49 678	23 103	72 463	'1 656
20 to 49 employees .....	2	45	1 358	39 434	864	1 627	18 990	81 744	40 750	122 949	'2 961
50 to 99 employees .....	—	17	1 173	37 609	707	1 362	16 640	209 277	68 099	277 336	'1 802
100 to 249 employees .....	3	4	540	14 812	429	971	9 638	32 230	21 771	54 008	'1 248
250 to 499 employees .....	8	3	1 046	27 863	605	1 197	13 813	77 460	24 821	99 539	'1 558
500 to 999 employees .....	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	237	486	13 187	352	655	7 221	25 349	12 714	38 065	'556

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

<sup>2</sup>Includes establishments with payroll at any time during the year.

<sup>3</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

<sup>4</sup>Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 5. Industry Statistics by Primary Product Class Specialization: 2002**

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments <sup>1</sup>	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)				
339943	Marking device manufacturing .....	491	6 179	177 204	3 962	7 804	90 641	512 778	208 173	717 520	11 298
3399430	Marking devices .....	491	6 179	177 204	3 962	7 804	90 641	512 778	208 173	717 520	11 298

<sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

**Table 6a. Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
339943	Marking device manufacturing .....	2002.. N 1997.. N	X X	X X	640 207 644 415
3399430	Marking devices .....	2002.. N 1997.. N	X X	X X	640 207 644 415
33994301	Plastics and rubber dies, hand stamps, typeholders, and permanently inked stamps .....	2002.. N 1997.. N	X X	X X	204 119 166 880
3399430101	Plastics and rubber dies, hand stamps, and typeholders .....	2002.. 70 1997.. 116	X X	X X	118 209 100 276
3399430106	Plastics and rubber permanently inked stamps, excluding print dies .....	2002.. 32 1997.. 47	X X	X X	85 910 66 604
33994302	Mechanical hand stamps, self-inkers, including daters, time and numbering stamps, and metal and rubber wheel-band goods .....	2002.. N 1997.. N	X X	X X	98 977 91 749
3399430211	Mechanical hand stamps, self-inkers, including daters, time and numbering stamps, and metal and rubber wheel-band goods .....	2002.. 64 1997.. 58	X X	X X	98 977 91 749
33994303	Other hand stamps and other marking devices .....	2002.. N 1997.. N	X X	X X	246 174 243 192
3399430321	Metal hand stamps, steel incising and embossing dies, letter and figure stamps, type and type holders, steel embossing and incising numbering heads, and nonferrous types and dies .....	2002.. 37 1997.. 28	X X	X X	71 046 68 931
3399430331	Other marking devices, including branding irons, embossing seals, figures, letters, numerals, stamp pads, and stencils .....	2002.. 64 1997.. N	X X	X X	175 128 N
3399430Y	Marking devices, nsk, total .....	2002.. N 1997.. N	X X	X X	90 937 142 594
3399430YWW	Marking devices, nsk, for nonadministrative-record establishments .....	2002.. N 1997.. N	X X	X X	57 511 100 081
3399430YWY	Marking devices, nsk, for administrative-record establishments .....	2002.. N 1997.. N	X X	X X	33 426 42 513

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

**Table 7. Materials Consumed by Kind: 2002 and 1997**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
339943	Marking device manufacturing		
0090001	Total materials .....	X	157 044
	.....2002..	X	191 225
	.....1997..	X	10 251
3210001	Lumber and wood products (excluding furniture) .....	X	15 447
	.....2002..	X	3 093
	.....1997..	X	14 185
3222101	Paperboard containers, boxes, and corrugated paperboard .....	X	
	.....2002..	X	D
	.....1997..	X	D
3251305	Pigments, lakes, and toners (organic and inorganic) .....	X	2 628
	.....2002..	X	1 999
	.....1997..	X	7 410
3250059	Other chemicals and allied products .....	X	25 450
	.....2002..	X	
	.....1997..	X	
3261013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....	X	1 375
	.....2002..	X	26 657
	.....1997..	X	D
3320005	Fabricated metal products, including forgings .....	X	D
	.....2002..	X	70 194
	.....1997..	X	68 870
3399410	Pens and mechanical pencils parts .....	X	59 177
	.....2002..	X	29 457
	.....1997..	X	
0097009	All other materials and components, parts, containers, and supplies .....	X	
	.....2002..	X	
	.....1997..	X	
0097100	Materials, ingredients, containers, and supplies, nsk .....	X	
	.....2002..	X	
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.