

# Computer Terminal Manufacturing: 2002

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## 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 expendi- tures (\$1,000)
			Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)				
334113, Computer terminal manufacturing .....	2002.. 70	71	1 781	80 506	882	1 714	27 783	218 274	149 776	370 162	14 993
	2001.. N	N	4 356	167 523	1 722	2 843	48 239	456 597	503 917	946 426	37 113
	2000.. N	N	3 270	149 636	1 487	3 099	52 164	390 268	410 694	808 217	59 307
	1999.. N	N	4 409	183 737	2 201	4 434	65 465	388 833	544 569	941 196	67 407
	1998.. N	N	5 167	218 247	2 171	4 991	74 013	444 465	651 309	1 096 153	30 697
	1997.. 141	142	5 764	253 086	2 843	5 862	89 526	531 875	941 879	1 486 965	34 716

<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**

[Not applicable for this report]

**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>334113, Computer terminal manufacturing</b>	
Companies <sup>1</sup> .....	number.. 70
All establishments <sup>2</sup> .....	number.. 71
Establishments with 1 to 19 employees .....	number.. 54
Establishments with 20 to 99 employees .....	number.. 12
Establishments with 100 employees or more .....	number.. 5
All employees <sup>3</sup> .....	number.. 1 781
Total compensation .....	\$1,000.. 94 967
Annual payroll .....	\$1,000.. 80 506
Total fringe benefits .....	\$1,000.. 14 461
Production workers, average for year .....	number.. 882
Production workers on March 12 .....	number.. 910
Production workers on May 12 .....	number.. 904
Production workers on August 12 .....	number.. 888
Production workers on November 12 .....	number.. 825
Production worker hours .....	..1,000.. 1 714
Production worker wages .....	\$1,000.. 27 783
Total cost of materials .....	\$1,000.. 149 776
Materials, parts, containers, packaging, etc., used .....	\$1,000.. 138 950
Resales .....	\$1,000.. 6 539
Purchased fuels .....	\$1,000.. 391
Purchased electricity .....	\$1,000.. 3 223
Contract work .....	\$1,000.. 673
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 48 610
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. S
Total value of shipments .....	\$1,000.. 370 162
Primary products value of shipments .....	\$1,000.. 274 422
Secondary products value of shipments .....	\$1,000.. 72 337
Total miscellaneous receipts .....	\$1,000.. 23 403
Value of resales .....	\$1,000.. 9 470
Contract receipts .....	\$1,000.. 1 578
Other miscellaneous receipts .....	\$1,000.. 12 355
Primary products specialization ratio .....	percent.. 79
Value of primary products shipments made in all industries .....	\$1,000.. 348 276
Value of primary products shipments made in this industry .....	\$1,000.. 274 422
Value of primary products shipments made in other industries .....	\$1,000.. 73 854
Coverage ratio .....	percent.. 79
Value added .....	\$1,000.. 218 274
Total inventories, beginning of year .....	\$1,000.. 56 215
Finished goods inventories .....	\$1,000.. 14 987
Work-in-process inventories .....	\$1,000.. 12 093
Materials and supplies inventories .....	\$1,000.. 29 135
Total inventories, end of year .....	\$1,000.. 47 872
Finished goods inventories .....	\$1,000.. 17 903
Work-in-process inventories .....	\$1,000.. 7 065
Materials and supplies inventories .....	\$1,000.. 22 904
Gross value of depreciable assets (acquisition costs) at beginning of year .....	\$1,000.. '110 219
Total capital expenditures (new and used) .....	\$1,000.. '14 993
Buildings and other structures (new and used) .....	\$1,000.. '1 029
Machinery and equipment (new and used) .....	\$1,000.. '13 964
Automobiles, trucks, etc., for highway use .....	\$1,000.. '426
Computers and peripheral data processing equipment .....	\$1,000.. '6 124
All other expenditures for machinery and equipment .....	\$1,000.. '7 414
Total retirements .....	\$1,000.. '19 895
Gross value of depreciable assets at end of year .....	\$1,000.. '105 317
Depreciation charges during year .....	\$1,000.. '10 457
Total rental payments .....	\$1,000.. 7 589
Buildings and other structures .....	\$1,000.. 6 282
Machinery and equipment .....	\$1,000.. 1 307
Total other expenses <sup>4</sup> .....	\$1,000.. 7 127
Response coverage ratio <sup>5</sup> .....	percent.. 31
Repair and maintenance services of buildings and/or machinery <sup>4</sup> .....	\$1,000.. 26
Communications services <sup>4</sup> .....	\$1,000.. D
Legal services <sup>4</sup> .....	\$1,000.. D
Accounting, auditing, and bookkeeping services <sup>4</sup> .....	\$1,000.. 371
Advertising and promotional services <sup>4</sup> .....	\$1,000.. D
Expensed computer hardware and supplies and purchased computer services <sup>4</sup> .....	\$1,000.. 325
Refuse removal (including hazardous waste) services <sup>4</sup> .....	\$1,000.. S
Management consulting and administrative services <sup>4</sup> .....	\$1,000.. 1 014
Taxes and license fees <sup>4</sup> .....	\$1,000.. 95
All other expenses <sup>4</sup> .....	\$1,000.. D

<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 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)				
<b>334113, Computer terminal manufacturing</b>											
All establishments .....	—	71	1 781	80 506	882	1 714	27 783	218 274	149 776	370 162	'14 993
Establishments with—											
1 to 4 employees .....	8	29	54	2 322	27	40	588	4 757	4 336	9 093	'304
5 to 9 employees .....	8	15	107	4 980	30	62	787	10 715	8 685	19 600	'628
10 to 19 employees .....	5	10	129	6 000	55	97	2 177	10 107	7 787	18 217	'1 223
20 to 49 employees .....	—	11	384	17 842	143	299	4 203	30 324	27 544	59 000	'2 204
50 to 99 employees .....	—	1	b	D	D	D	D	D	D	D	D
100 to 249 employees .....	—	4	f	D	D	D	D	D	D	D	D
250 to 499 employees .....	—	1	e	D	D	D	D	D	D	D	D
500 to 999 employees .....	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees .....	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more .....	—	—	—	—	—	—	—	—	—	—	—
Administrative records <sup>4</sup> .....	9	34	97	4 526	42	71	972	9 262	7 371	16 633	'630

<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)				
334113	Computer terminal manufacturing . . . .	71	1 781	80 506	882	1 714	27 783	218 274	149 776	370 162	'14 993
3341131	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories) . . . . .	17	g	D	D	D	D	D	D	D	D
3341134	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices) . . . . .	2	e	D	D	D	D	D	D	D	D

<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)
334113	Computer terminal manufacturing .....	2002.. N 1997.. N	X X	X X	348 276 1 522 712
3341131	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories) .....	2002.. N 1997.. N	X X	X X	258 862 1 086 746
33411311	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories) .....	2002.. N 1997.. N	X X	X X	258 862 1 086 746
3341131100	Computer terminals (except point-of-sale and funds-transfer devices, parts, attachments, and accessories) <sup>1</sup> .....	2002.. 26 1997.. 50	X X	X X	258 862 1 086 746
3341134	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices) .....	2002.. N 1997.. N	X X	X X	54 843 190 902
33411341	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices) .....	2002.. N 1997.. N	X X	X X	54 843 190 902
3341134100	Parts, attachments, and accessories for computer terminals (except point-of-sale and funds-transfer devices) <sup>1</sup> .....	2002.. 14 1997.. 20	X X	X X	54 843 190 902
334113W	Computer terminal manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	34 571 245 064
334113WY	Computer terminal manufacturing, nsk, total .....	2002.. N 1997.. N	X X	X X	34 571 245 064
334113WYWW	Computer terminal manufacturing, nsk, for nonadministrative-record establishments .....	2002.. N 1997.. N	X X	X X	18 072 196 600
334113WYWY	Computer terminal manufacturing, nsk, for administrative-record establishments .....	2002.. N 1997.. N	X X	X X	16 499 48 464

<sup>1</sup>For additional detail, see Current Industrial Report MA334R, Computers and Office and Accounting Machines.

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)
334113	<b>Computer terminal manufacturing</b>		
00900001	Total materials .....	X	138 950
	.....2002..	X	842 710
	.....1997..		
33441103	Cathode ray tubes (CRT) and all other transmittal, industrial, and special purpose electron tubes (excluding X-ray) .....	X	D
	.....2002..	X	85 218
	.....1997..	X	510
33441200	Printed circuit boards (without inserted components) for electronic circuitry .....	X	1 509
	.....2002..	X	
	.....1997..	X	
001900C3	Printed memory boards for electronic circuitry .....	X	D
	.....2002..	X	D
	.....1997..	X	D
001900C6	Printed peripheral controllers (graphic boards, drive controllers, etc.) for electronic circuitry .....	X	1 953
	.....2002..	X	D
	.....1997..	X	D
001900C7	Printed computer processors (system boards, array processors, etc.) for electronic circuitry .....	X	D
	.....2002..	X	D
	.....1997..	X	
001900C5	Printed communication boards (LAN boards, D/A and A/D converters, etc.) for electronic circuitry .....	X	D
	.....2002..	X	D
	.....1997..	X	
001900D1	Other printed circuit boards (loaded boards, subassemblies, and modules) for electronic circuitry .....	X	D
	.....2002..	X	D
	.....1997..	X	
33441300	Semiconductors (including transistors, diodes, rectifiers, and integrated circuits), for electronic circuitry .....	X	6 883
	.....2002..	X	8 486
	.....1997..		
33441400	Capacitors for electronic circuitry .....	X	3 939
	.....2002..	X	3 722
	.....1997..	X	323
33441500	Resistors for electronic circuitry .....	X	800
	.....2002..	X	2 294
	.....1997..	X	2 370
33441700	Connectors for electronic circuitry .....	X	
	.....2002..	X	
	.....1997..	X	
33400017	Battery packs for electronic circuitry .....	X	D
	.....2002..	X	D
	.....1997..	X	269
001900D2	Other power supply units for electronic circuitry .....	X	D
	.....2002..	X	
	.....1997..	X	
001900B8	Other components and accessories, for electronic circuitry (coils, transformers, transducers, switches, etc), excluding tubes .....	X	D
	.....2002..	X	3 581
	.....1997..	X	
001900B1	Electrical transmission, distribution, and control equipment .....	X	D
	.....2002..	X	D
	.....1997..	X	
33232201	Steel, aluminum, and other metal electronic enclosures .....	X	393
	.....2002..	X	4 499
	.....1997..	X	D
32619901	Plastics electronic enclosures .....	X	9 884
	.....2002..	X	
	.....1997..	X	
33200003	Sheet metal products, including stampings (excluding enclosures) .....	X	4 020
	.....2002..	X	12 748
	.....1997..	X	D
33100035	Castings, rough and semifinished .....	X	D
	.....2002..	X	94
	.....1997..	X	D
331000A9	Insulated copper wire and cable (including magnet wire) .....	X	D
	.....2002..	X	886
	.....1997..	X	
32610031	Fabricated plastics products (excluding enclosures) .....	X	198
	.....2002..	X	2 319
	.....1997..	X	D
33461100	Purchased software .....	X	D
	.....2002..	X	1 103
	.....1997..	X	D
33593103	Appliance outlets, switches, lampholders, and other current-carrying wiring devices .....	X	D
	.....2002..	X	D
	.....1997..	X	
32200001	Paper and paperboard products (including paperboard boxes, containers, and corrugated paperboard) .....	X	413
	.....2002..	X	3 588
	.....1997..	X	
33411101	Purchased computers .....	X	D
	.....2002..	X	D
	.....1997..	X	
33411200	Purchased peripheral storage devices .....	X	D
	.....2002..	X	-
	.....1997..	X	
33411300	Purchased computer terminals .....	X	D
	.....2002..	X	9 893
	.....1997..	X	579
33411903	Purchased peripheral input devices (including keyboards, mouse devices, track balls, etc.) .....	X	21 785
	.....2002..	X	D
	.....1997..	X	D
33411905	Purchased peripheral printers .....	X	D
	.....2002..	X	
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies .....	X	84 361
	.....2002..	X	159 749
	.....1997..	X	18 823
00971000	Materials, ingredients, containers, and supplies, nsk .....	X	318 091
	.....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.