

Table 1. Statistics for All Manufacturing Establishments: 2003 and Earlier Years

[Data based on the 2003 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]

Year ¹	Establishments ²		All employees ³		Production workers			Value added ⁵ (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ⁶ (\$1,000)	Total capital expenditures ⁷ (\$1,000)
	Total	With 20 employees or more	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
2003	N	N	13 875 542	565 026 110	9 794 517	19 886 392	329 715 154	1 912 124 316	2 071 515 197	3 979 917 101	115 004 095
2002	350 815	108 762	14 715 371	576 494 937	10 352 516	20 489 145	337 118 875	1 892 790 646	2 024 573 318	3 920 631 826	126 012 978
2001	N	N	15 845 612	591 558 514	11 212 063	22 384 101	342 268 242	1 851 693 858	2 106 859 943	3 970 204 964	143 082 995
2000	N	N	16 651 904	617 211 426	11 943 646	23 954 395	363 380 819	1 973 622 421	2 245 839 293	4 208 582 047	154 478 902
1999	N	N	16 685 639	601 472 998	11 977 196	24 209 596	355 790 664	1 954 498 206	2 084 316 398	4 031 884 590	150 325 065
1998	N	N	16 944 977	586 957 735	12 189 519	24 582 584	348 953 570	1 891 265 885	2 018 054 521	3 899 809 755	152 708 100
1997	362 829	119 748	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
1996	N	N	17 326 300	560 518 300	12 167 800	25 010 500	324 495 800	1 749 661 900	1 975 362 100	3 715 428 200	146 467 500
1995	N	N	17 419 200	545 362 700	12 253 100	25 072 000	317 767 500	1 711 442 300	1 897 570 700	3 594 359 600	134 318 100
1994	N	N	17 059 400	522 565 700	11 947 100	24 560 100	304 663 000	1 605 980 000	1 752 735 100	3 348 019 200	118 664 700
1993	N	N	16 943 500	504 363 100	11 726 200	23 845 100	290 293 200	1 483 054 100	1 647 492 600	3 127 620 400	108 628 500
1992	370 912	118 967	16 948 900	494 108 900	11 640 900	23 563 100	281 538 200	1 424 699 700	1 571 424 500	3 004 722 800	110 643 800
1991	N	N	17 081 200	477 174 600	11 652 000	23 383 000	270 601 000	1 341 386 200	1 531 221 300	2 878 164 800	103 152 900
1990	N	N	17 796 200	480 223 500	12 232 700	24 463 300	275 208 400	1 346 970 100	1 574 617 300	2 912 228 500	106 462 800
1989	N	N	18 045 700	470 479 200	12 535 500	24 933 900	273 119 900	1 325 433 600	1 532 330 000	2 840 376 000	101 894 300
1988	N	N	17 989 600	453 309 400	12 438 700	24 815 400	265 147 100	1 269 313 000	1 444 500 900	2 695 432 300	84 706 100
1987	358 952	120 822	17 718 000	428 480 000	12 280 400	24 302 700	251 449 500	1 165 740 800	1 319 844 600	2 475 939 100	85 662 100
1986	N	N	17 086 800	402 466 700	11 765 400	23 178 200	236 599 400	1 035 437 400	1 217 608 600	2 260 314 600	80 795 100
1985	N	N	17 508 300	396 610 500	12 174 400	23 731 600	235 790 800	1 000 142 000	1 276 009 600	2 280 183 800	91 244 900
1984	N	N	17 854 900	384 921 500	12 572 800	24 637 100	231 783 900	983 227 700	1 288 413 600	2 253 429 300	80 659 900
1983	N	N	17 453 100	354 232 200	12 203 000	23 611 600	212 416 400	882 014 500	1 170 237 800	2 045 853 300	67 479 800
1982	348 385	117 959	17 818 100	341 406 200	12 400 600	23 538 300	204 787 200	824 117 700	1 130 142 700	1 960 205 800	77 045 700
1981	N	N	18 919 800	341 319 800	13 542 800	26 233 100	212 200 900	837 506 500	1 193 969 600	2 017 542 500	83 767 000
1980	N	N	19 311 400	316 494 500	13 900 100	26 745 700	198 164 000	773 831 300	1 093 567 600	1 852 668 300	74 624 600
1979	N	N	19 756 500	298 529 100	14 537 800	28 324 300	192 881 500	747 480 500	999 157 500	1 727 214 600	65 796 600
1978	N	N	19 239 400	271 540 900	14 228 700	27 676 500	176 416 800	657 412 000	877 424 700	1 522 937 300	58 346 000
1977	350 757	113 843	18 515 900	242 031 900	13 691 000	26 686 700	157 163 700	585 165 600	782 417 700	1 358 526 400	51 907 300

¹Statistics 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). Also, in census year 1997, collection and publication of census and subsequent ASM data changed from the Standard Industrial Classification (SIC) basis to the North American Industry Classification System (NAICS) basis. For a discussion of the impact of this change on the data, see introductory text.

²Includes establishments with payroll at any time during year. Beginning in census year 1997, auxiliary establishments associated with manufacturing companies are classified separately. For 1996 and earlier years, establishment counts for auxiliaries are included.

³Figures include employment and payroll data for employees at manufacturing establishments engaged in nonmanufacturing activities (such as distribution and construction). Beginning in census year 1997, auxiliary establishments associated with manufacturing companies are classified separately. For 1996 and earlier years, employment and payroll data for auxiliaries are included.

⁴Figures represent average number of production workers for the payroll period that includes the 12th of March, May, August, and November, plus other employees for the payroll period that includes the 12th of March.

⁵Beginning in 1982, all respondents were requested to report their inventories at cost or market prior to adjustment to LIFO cost. This is a change from prior years in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, 1982 data for value added are not comparable to prior years.

⁶Data represent total value of shipments for most industries. For industries 311411, 311412, 311421, 311422, 311711, 311712, 311941, 311999, 312140, 312210, 312221, and 312229 value of production is shown. For industry 336611, value of work done is shown.

⁷Beginning in 1997, the data shown are for total capital expenditures (new and used). Prior to 1997, only data for new capital expenditures were shown in this table. For 1996 and earlier years, data have been adjusted to show total capital expenditures.

Note 1: Previous years' data may differ from that published in the 2002 Economic Census because of changes encountered in subsequent review of the 2003 Annual Survey of Manufactures (ASM).

Note 2: The data in this table are based on the 2003 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The data in this table contain sampling errors and nonsampling errors. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Statistics for Industry Groups and Industries: 2003 and 2002—Con.

[Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
334	Computer and electronic product manufacturing—Con.										
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2003.. 406 756	24 306 491	161 869	316 528	6 445 262	62 283 085	33 949 858	95 559 525	1	1
		2002.. 418 898	23 633 741	169 419	326 968	6 577 100	57 218 592	34 474 677	92 938 094	X	X
33451	Navigational, measuring, medical, and control instruments manufacturing	2003.. 406 756	24 306 491	161 869	316 528	6 445 262	62 283 085	33 949 858	95 559 525	1	1
		2002.. 418 898	23 633 741	169 419	326 968	6 577 100	57 218 592	34 474 677	92 938 094	X	X
334510	Electromedical and electrotherapeutic apparatus manufacturing	2003.. 58 384	3 315 505	27 243	54 745	1 043 451	11 144 320	5 604 407	16 755 058	1	1
		2002.. 59 223	3 160 193	27 739	55 792	985 799	10 145 886	5 691 782	15 932 139	X	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2003.. 151 284	10 095 439	47 992	90 295	2 334 307	24 453 298	10 568 118	34 211 948	1	1
		2002.. 143 325	9 172 385	47 634	88 113	2 223 203	21 134 333	10 160 975	32 227 027	X	X
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2003.. 18 034	677 749	11 547	23 128	329 830	2 025 994	1 196 212	3 234 536	2	1
		2002.. 18 166	680 846	11 657	22 880	329 521	1 916 030	1 214 859	3 168 544	X	X
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2003.. 35 961	1 732 220	16 790	33 653	552 243	3 999 199	2 480 012	6 493 270	2	1
		2002.. 39 790	1 879 133	18 067	35 684	601 412	4 285 438	2 672 711	7 033 461	X	X
334514	Totalizing fluid meter and counting device manufacturing	2003.. 15 097	666 258	8 902	16 964	332 086	1 986 764	2 569 882	4 606 069	5	2
		2002.. 16 542	734 619	10 538	19 585	384 832	1 970 687	2 853 099	4 821 321	X	X
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2003.. 47 929	3 116 577	16 867	31 317	637 103	6 427 064	3 516 028	9 998 002	2	1
		2002.. 57 117	3 367 648	19 436	38 509	810 958	6 145 190	3 715 300	10 060 484	X	X
334516	Analytical laboratory instrument manufacturing	2003.. 33 567	2 084 899	11 407	22 563	427 196	5 983 480	3 177 295	9 155 193	1	2
		2002.. 34 010	2 000 851	11 509	22 412	430 327	5 102 113	3 277 390	8 323 446	X	X
334517	Irradiation apparatus manufacturing	2003.. 12 704	904 482	4 721	11 507	212 379	2 291 065	2 337 524	4 631 396	1	1
		2002.. 13 353	821 993	4 469	9 016	189 754	2 516 308	2 294 012	4 736 157	X	X
334518	Watch, clock, and parts manufacturing	2003.. 2 793	102 319	1 823	3 720	49 603	360 273	238 822	601 153	5	4
		2002.. 3 570	126 034	2 393	4 747	63 413	418 579	288 308	699 134	X	X
334519	Other measuring and controlling device manufacturing	2003.. 31 003	1 611 044	14 578	28 636	527 064	3 611 628	2 261 557	5 872 900	2	2
		2002.. 33 802	1 690 039	15 977	30 230	557 881	3 584 028	2 306 241	5 936 381	X	X
3346	Manufacturing and reproducing magnetic and optical media	2003.. 36 691	1 402 526	27 060	59 015	877 180	4 214 292	2 752 089	6 977 782	2	2
		2002.. 38 833	1 396 904	28 560	57 884	869 076	4 659 221	2 869 026	7 554 275	X	X
33461	Manufacturing and reproducing magnetic and optical media	2003.. 36 691	1 402 526	27 060	59 015	877 180	4 214 292	2 752 089	6 977 782	2	2
		2002.. 38 833	1 396 904	28 560	57 884	869 076	4 659 221	2 869 026	7 554 275	X	X
334611	Software reproducing	2003.. 2 553	105 059	2 156	3 946	74 832	274 745	169 783	444 430	12	12
		2002.. 2 721	117 329	1 811	3 214	62 743	283 688	176 213	460 089	X	X
334612	Prerecorded compact disc (except software), tape, and record reproducing	2003.. 27 039	902 150	20 168	42 874	577 616	2 620 079	1 461 262	4 076 907	2	3
		2002.. 29 438	985 530	22 119	44 709	631 700	2 897 388	1 610 074	4 502 758	X	X
334613	Magnetic and optical recording media manufacturing	2003.. 7 099	395 317	4 736	12 195	224 732	1 319 468	1 121 044	2 456 445	2	2
		2002.. 6 674	294 045	4 630	9 961	174 633	1 478 145	1 082 739	2 591 428	X	X
335	Electrical equipment, appliance, and component manufacturing	2003.. 453 299	17 265 769	320 890	633 457	9 777 838	52 297 727	49 388 153	101 770 560	1	1
		2002.. 494 722	18 085 414	352 091	683 904	10 368 373	53 987 198	50 137 938	104 472 373	X	X
3351	Electric lighting equipment manufacturing	2003.. 59 971	2 150 492	42 685	85 769	1 228 958	6 725 675	5 195 393	11 897 333	2	2
		2002.. 66 367	2 261 963	47 673	94 436	1 316 507	7 100 304	5 309 828	12 396 049	X	X
33511	Electric lamp bulb and parts manufacturing	2003.. 10 987	489 528	9 158	17 967	371 436	1 726 594	942 434	2 645 751	1	1
		2002.. 11 476	486 257	9 538	18 659	377 803	1 747 297	883 339	2 615 556	X	X
335110	Electric lamp bulb and parts manufacturing	2003.. 10 987	489 528	9 158	17 967	371 436	1 726 594	942 434	2 645 751	1	1
		2002.. 11 476	486 257	9 538	18 659	377 803	1 747 297	883 339	2 615 556	X	X
33512	Lighting fixture manufacturing	2003.. 48 984	1 660 964	33 527	67 803	857 523	4 999 081	4 252 959	9 251 582	2	2
		2002.. 54 891	1 775 706	38 135	75 777	938 704	5 353 007	4 426 489	9 780 493	X	X
33512M	Lighting fixture manufacturing	2003.. 48 984	1 660 964	33 527	67 803	857 523	4 999 081	4 252 959	9 251 582	2	2
		2002.. 54 891	1 775 706	38 135	75 777	938 704	5 353 007	4 426 489	9 780 493	X	X
3352	Household appliance manufacturing	2003.. 84 286	2 862 279	70 218	132 583	2 099 269	10 667 323	13 100 787	23 813 215	1	1
		2002.. 89 231	3 016 482	73 879	140 142	2 184 181	10 429 484	12 423 105	22 882 835	X	X
33521	Small electrical appliance manufacturing	2003.. 17 567	586 793	13 330	24 590	352 202	2 195 964	2 341 125	4 531 798	1	2
		2002.. 19 855	644 936	15 063	27 543	387 205	2 704 989	2 289 043	4 956 444	X	X
33521M	Small electrical appliance manufacturing	2003.. 17 567	586 793	13 330	24 590	352 202	2 195 964	2 341 125	4 531 798	1	2
		2002.. 19 855	644 936	15 063	27 543	387 205	2 704 989	2 289 043	4 956 444	X	X

See footnotes at end of table.

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NAICS and NAICS-based code ¹	Industry group and industry	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments ³ (\$1,000)	Relative standard error of estimate ⁴ (percent) for column—	
		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F
336	Transportation equipment manufacturing—Con.										
3362	Motor vehicle body and trailer manufacturing	2003.. 127 420	4 332 683	101 985	201 659	3 047 958	9 468 569	16 410 086	25 851 663	1	1
		2002.. 127 082	4 191 764	100 139	194 133	2 882 471	8 736 307	15 685 922	24 364 255	X	X
33621	Motor vehicle body and trailer manufacturing	2003.. 127 420	4 332 683	101 985	201 659	3 047 958	9 468 569	16 410 086	25 851 663	1	1
		2002.. 127 082	4 191 764	100 139	194 133	2 882 471	8 736 307	15 685 922	24 364 255	X	X
336211	Motor vehicle body manufacturing	2003.. 40 391	1 450 839	30 785	62 239	963 419	3 269 410	5 357 537	8 564 536	2	2
		2002.. 41 238	1 420 101	30 952	61 173	936 302	2 738 247	5 287 321	8 023 502	X	X
336212	Truck trailer manufacturing	2003.. 23 716	773 800	19 623	40 028	573 184	1 625 828	2 758 392	4 395 935	2	3
		2002.. 23 589	723 974	18 967	36 676	515 809	1 480 277	2 508 261	3 985 498	X	X
336213	Motor home manufacturing	2003.. 21 775	757 968	18 019	31 947	539 223	1 863 745	4 316 059	6 162 769	1	2
		2002.. 20 776	726 182	16 092	31 535	501 387	1 892 266	3 800 905	5 670 656	X	X
336214	Travel trailer and camper manufacturing	2003.. 41 538	1 350 075	33 559	67 445	972 133	2 709 586	3 978 098	6 728 422	3	3
		2002.. 41 479	1 321 507	33 428	64 749	928 973	2 625 517	4 089 435	6 684 599	X	X
3363	Motor vehicle parts manufacturing	2003.. 670 465	31 400 726	524 893	1 101 414	22 786 056	84 233 916	116 487 658	200 491 033	1	1
		2002.. 730 183	32 220 456	581 951	1 150 406	23 729 715	86 702 136	118 314 220	204 587 203	X	X
33631	Motor vehicle gasoline engine and engine parts manufacturing	2003.. 87 365	4 620 450	68 302	142 475	3 431 226	12 627 280	21 901 207	34 545 523	2	1
		2002.. 99 879	4 812 385	81 986	151 150	3 730 397	12 383 725	22 228 631	34 507 909	X	X
33631M	Motor vehicle gasoline engine and engine parts manufacturing	2003.. 87 365	4 620 450	68 302	142 475	3 431 226	12 627 280	21 901 207	34 545 523	2	1
		2002.. 99 879	4 812 385	81 986	151 150	3 730 397	12 383 725	22 228 631	34 507 909	X	X
33632	Motor vehicle electrical and electronic equipment manufacturing	2003.. 92 339	3 903 113	67 735	139 024	2 451 382	12 589 705	12 431 531	24 922 832	2	2
		2002.. 98 519	4 045 896	72 572	141 914	2 575 034	12 912 074	12 979 848	25 856 052	X	X
33632M	Motor vehicle electrical and electronic equipment manufacturing	2003.. 92 339	3 903 113	67 735	139 024	2 451 382	12 589 705	12 431 531	24 922 832	2	2
		2002.. 98 519	4 045 896	72 572	141 914	2 575 034	12 912 074	12 979 848	25 856 052	X	X
33633	Motor vehicle steering and suspension component (except spring) manufacturing	2003.. 39 696	1 917 837	31 609	70 284	1 439 864	4 945 566	5 737 846	10 640 675	3	2
		2002.. 41 783	2 045 377	33 289	68 957	1 492 554	4 984 666	5 526 106	10 493 720	X	X
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2003.. 39 696	1 917 837	31 609	70 284	1 439 864	4 945 566	5 737 846	10 640 675	3	2
		2002.. 41 783	2 045 377	33 289	68 957	1 492 554	4 984 666	5 526 106	10 493 720	X	X
33634	Motor vehicle brake system manufacturing	2003.. 41 217	1 604 102	32 232	68 217	1 090 780	4 740 877	8 233 790	12 975 436	1	1
		2002.. 42 356	1 660 877	33 878	71 922	1 203 347	5 768 521	7 612 370	13 350 927	X	X
336340	Motor vehicle brake system manufacturing	2003.. 41 217	1 604 102	32 232	68 217	1 090 780	4 740 877	8 233 790	12 975 436	1	1
		2002.. 42 356	1 660 877	33 878	71 922	1 203 347	5 768 521	7 612 370	13 350 927	X	X
33635	Motor vehicle transmission and power train parts manufacturing	2003.. 89 281	5 365 213	72 770	162 188	4 239 461	13 421 513	19 582 542	32 730 877	3	3
		2002.. 102 269	5 722 538	83 222	184 433	4 544 852	14 435 438	20 834 114	35 163 840	X	X
336350	Motor vehicle transmission and power train parts manufacturing	2003.. 89 281	5 365 213	72 770	162 188	4 239 461	13 421 513	19 582 542	32 730 877	3	3
		2002.. 102 269	5 722 538	83 222	184 433	4 544 852	14 435 438	20 834 114	35 163 840	X	X
33636	Motor vehicle seating and interior trim manufacturing	2003.. 54 852	2 164 569	41 741	82 198	1 463 772	5 622 475	11 236 605	16 849 830	1	1
		2002.. 56 041	2 069 446	43 406	83 347	1 421 001	5 031 999	12 084 126	17 126 322	X	X
336360	Motor vehicle seating and interior trim manufacturing	2003.. 54 852	2 164 569	41 741	82 198	1 463 772	5 622 475	11 236 605	16 849 830	1	1
		2002.. 56 041	2 069 446	43 406	83 347	1 421 001	5 031 999	12 084 126	17 126 322	X	X
33637	Motor vehicle metal stamping	2003.. 106 292	5 752 544	86 813	184 711	4 518 769	12 362 856	12 750 896	25 155 424	3	2
		2002.. 125 636	5 785 041	103 959	190 981	4 539 280	12 472 296	13 193 148	25 599 749	X	X
336370	Motor vehicle metal stamping	2003.. 106 292	5 752 544	86 813	184 711	4 518 769	12 362 856	12 750 896	25 155 424	3	2
		2002.. 125 636	5 785 041	103 959	190 981	4 539 280	12 472 296	13 193 148	25 599 749	X	X
33639	Other motor vehicle parts manufacturing	2003.. 159 422	6 072 899	123 682	252 318	4 150 802	17 923 644	24 613 240	42 670 437	1	1
		2002.. 163 700	6 078 896	129 639	257 702	4 223 250	18 713 417	23 855 877	42 488 684	X	X
336391	Motor vehicle air-conditioning manufacturing	2003.. 18 870	938 360	14 953	29 930	658 100	2 468 493	3 937 865	6 406 247	1	1
		2002.. 19 053	920 567	15 344	30 770	683 948	2 767 581	3 986 459	6 756 851	X	X
336399	All other miscellaneous motor vehicle parts manufacturing	2003.. 140 552	5 134 538	108 729	222 387	3 492 702	15 455 151	20 675 375	36 264 190	1	1
		2002.. 144 647	5 158 329	114 295	226 932	3 539 302	15 945 836	19 869 418	35 731 833	X	X
3364	Aerospace product and parts manufacturing	2003.. 374 563	23 101 465	188 018	383 230	10 077 846	65 388 609	57 369 790	124 071 075	1	1
		2002.. 396 318	23 796 065	195 372	399 414	10 361 978	63 948 130	60 132 011	124 895 375	X	X
33641	Aerospace product and parts manufacturing	2003.. 374 563	23 101 465	188 018	383 230	10 077 846	65 388 609	57 369 790	124 071 075	1	1
		2002.. 396 318	23 796 065	195 372	399 414	10 361 978	63 948 130	60 132 011	124 895 375	X	X
336411	Aircraft manufacturing	2003.. 156 715	9 776 023	77 460	154 094	4 447 433	30 452 780	31 712 765	62 987 568	1	1
		2002.. 166 487	10 091 352	78 253	157 895	4 504 338	29 520 006	34 599 870	64 374 912	X	X
336412	Aircraft engine and engine parts manufacturing	2003.. 65 835	3 925 954	37 403	77 374	1 906 646	12 925 159	10 693 304	23 727 174	1	1
		2002.. 72 138	4 130 836	40 253	83 400	1 927 739	11 747 602	11 644 312	23 659 238	X	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2003.. 94 392	5 244 998	51 004	106 769	2 436 918	12 365 590	7 763 084	20 493 713	1	1
		2002.. 98 299	5 333 010	53 931	113 477	2 666 689	13 191 390	7 275 808	20 778 584	X	X

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		Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				A	F	
												A
336	Transportation equipment manufacturing—Con.											
3364	Aerospace product and parts manufacturing—Con.											
33641	Aerospace product and parts manufacturing—Con.											
336414	Guided missile and space vehicle manufacturing	2003.. 38 081	2 891 937	14 011	28 012	915 236	7 054 686	6 274 183	13 375 263	1	1	
		2002.. 38 661	2 935 471	14 376	27 212	866 872	6 956 362	5 580 180	12 517 495	X	X	
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2003.. 13 843	979 602	5 012	10 794	260 680	2 003 840	661 094	2 653 829	2	1	
		2002.. 14 512	984 405	5 530	11 274	285 206	1 848 076	725 835	2 601 373	X	X	
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2003.. 5 696	282 951	3 128	6 188	110 934	586 553	265 360	833 528	1	1	
		2002.. 6 221	320 991	3 029	6 156	111 134	684 694	306 006	963 773	X	X	
3365	Railroad rolling stock manufacturing ...	2003.. 24 675	1 166 328	15 401	29 934	586 616	2 907 028	4 388 307	7 513 990	1	2	
		2002.. 25 638	1 208 611	15 807	31 119	640 446	3 808 488	4 078 054	7 923 275	X	X	
33651	Railroad rolling stock manufacturing	2003.. 24 675	1 166 328	15 401	29 934	586 616	2 907 028	4 388 307	7 513 990	1	2	
		2002.. 25 638	1 208 611	15 807	31 119	640 446	3 808 488	4 078 054	7 923 275	X	X	
336510	Railroad rolling stock manufacturing	2003.. 24 675	1 166 328	15 401	29 934	586 616	2 907 028	4 388 307	7 513 990	1	2	
		2002.. 25 638	1 208 611	15 807	31 119	640 446	3 808 488	4 078 054	7 923 275	X	X	
3366	Ship and boat building	2003.. 134 507	5 199 415	98 678	197 072	3 421 469	12 636 346	9 436 552	22 072 897	1	1	
		2002.. 137 339	5 088 638	101 010	193 094	3 302 537	12 203 724	9 059 994	21 263 718	X	X	
33661	Ship and boat building	2003.. 134 507	5 199 415	98 678	197 072	3 421 469	12 636 346	9 436 552	22 072 897	1	1	
		2002.. 137 339	5 088 638	101 010	193 094	3 302 537	12 203 724	9 059 994	21 263 718	X	X	
336611	Ship building and repairing	2003.. 85 042	3 656 405	60 812	116 664	2 337 669	8 620 114	4 788 459	13 408 574	1	1	
		2002.. 87 412	3 614 883	61 945	115 903	2 259 205	8 369 185	4 422 900	12 792 085	X	X	
336612	Boat building	2003.. 49 465	1 543 011	37 866	80 408	1 083 801	4 016 231	4 648 092	8 664 324	2	2	
		2002.. 49 927	1 473 755	39 065	77 191	1 043 332	3 834 539	4 637 094	8 471 633	X	X	
3369	Other transportation equipment manufacturing	2003.. 39 731	1 601 859	29 030	55 714	995 688	5 669 270	8 235 348	13 910 886	2	1	
		2002.. 40 351	1 550 898	28 921	56 180	958 242	5 725 737	7 558 262	13 363 749	X	X	
33699	Other transportation equipment manufacturing	2003.. 39 731	1 601 859	29 030	55 714	995 688	5 669 270	8 235 348	13 910 886	2	1	
		2002.. 40 351	1 550 898	28 921	56 180	958 242	5 725 737	7 558 262	13 363 749	X	X	
336991	Motorcycle, bicycle, and parts manufacturing	2003.. 15 026	641 850	12 114	21 366	461 818	2 336 450	2 800 633	5 107 206	2	2	
		2002.. 15 035	631 457	11 573	22 948	447 800	2 201 002	2 604 872	4 880 776	X	X	
336992	Military armored vehicle, tank, and tank component manufacturing	2003.. 4 440	261 093	2 386	4 572	113 194	922 204	596 617	1 536 500	1	1	
		2002.. 5 295	289 100	2 624	5 522	116 310	851 485	684 776	1 506 656	X	X	
336999	All other transportation equipment manufacturing	2003.. 20 264	698 916	14 530	29 775	420 676	2 410 616	4 838 098	7 267 180	3	2	
		2002.. 20 021	630 341	14 724	27 710	394 132	2 673 250	4 268 614	6 976 317	X	X	
337	Furniture and related product manufacturing	2003.. 556 033	16 808 146	433 473	864 209	11 116 646	43 530 992	33 081 536	76 620 837	1	1	
		2002.. 599 099	17 480 546	471 832	910 257	11 609 673	44 156 912	33 282 194	77 242 357	X	X	
3371	Household and institutional furniture and kitchen cabinet manufacturing ...	2003.. 360 178	10 127 887	292 354	578 623	7 131 721	25 150 084	19 998 457	45 150 563	1	1	
		2002.. 389 649	10 577 045	317 707	611 844	7 485 978	26 275 727	20 002 438	46 089 122	X	X	
33711	Wood kitchen cabinet and counter top manufacturing	2003.. 128 113	3 781 647	102 438	206 504	2 620 188	9 185 395	6 072 671	15 202 292	1	1	
		2002.. 126 626	3 636 299	100 540	195 736	2 525 740	8 593 383	5 752 567	14 348 396	X	X	
337110	Wood kitchen cabinet and counter top manufacturing	2003.. 128 113	3 781 647	102 438	206 504	2 620 188	9 185 395	6 072 671	15 202 292	1	1	
		2002.. 126 626	3 636 299	100 540	195 736	2 525 740	8 593 383	5 752 567	14 348 396	X	X	
33712	Household and institutional furniture manufacturing	2003.. 232 065	6 346 240	189 915	372 119	4 511 533	15 964 689	13 925 785	29 948 271	1	1	
		2002.. 263 023	6 940 746	217 167	416 108	4 960 238	17 682 344	14 249 871	31 740 726	X	X	
337121	Upholstered household furniture manufacturing	2003.. 84 614	2 304 891	70 707	136 792	1 698 815	4 953 671	5 463 839	10 409 935	1	1	
		2002.. 91 838	2 438 865	77 477	145 182	1 816 780	5 297 593	5 450 876	10 720 121	X	X	
337122	Nonupholstered wood household furniture manufacturing	2003.. 95 502	2 457 350	80 369	156 267	1 817 007	6 815 620	4 787 394	11 664 755	2	2	
		2002.. 111 984	2 750 652	94 907	182 934	2 061 055	7 753 926	5 146 329	12 725 672	X	X	
337127	Institutional furniture manufacturing	2003.. 29 724	963 384	21 526	43 408	579 507	2 604 543	1 879 656	4 495 900	4	2	
		2002.. 33 486	1 053 621	24 571	48 923	630 626	2 687 774	1 931 281	4 615 591	X	X	
33712N	Other household nonupholstered furniture	2003.. 22 225	620 615	17 314	35 652	416 204	1 590 855	1 794 897	3 377 680	3	4	
		2002.. 25 715	697 608	20 212	39 069	451 777	1 943 051	1 721 385	3 679 342	X	X	
3372	Office furniture (including fixtures) manufacturing	2003.. 152 184	5 330 410	108 646	222 017	3 182 471	14 120 927	9 370 206	23 518 266	1	1	
		2002.. 163 282	5 515 622	120 474	234 990	3 301 066	13 748 348	9 496 972	23 222 385	X	X	
33721	Office furniture (including fixtures) manufacturing	2003.. 152 184	5 330 410	108 646	222 017	3 182 471	14 120 927	9 370 206	23 518 266	1	1	
		2002.. 163 282	5 515 622	120 474	234 990	3 301 066	13 748 348	9 496 972	23 222 385	X	X	
337212	Custom architectural woodwork and millwork manufacturing	2003.. 32 369	1 182 187	22 849	46 561	703 027	2 377 654	1 396 535	3 770 644	2	3	
		2002.. 34 116	1 232 378	23 529	46 375	707 460	2 439 095	1 472 053	3 911 171	X	X	
337215	Showcase, partition, shelving, and locker manufacturing	2003.. 62 306	2 065 069	46 656	95 699	1 270 531	4 454 638	3 843 406	8 339 759	2	3	
		2002.. 70 301	2 183 350	53 018	102 119	1 339 115	4 710 669	3 889 093	8 580 468	X	X	

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2003 and 2002—Con.

[Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
			A	B	C	
334	Computer and electronic product manufacturing—Con.					
3342	Communications equipment manufacturing	163 524	11 545 239	9 248 950	2 296 289	2
	2002..	190 578	12 763 174	10 298 014	2 465 160	X
33421	Telephone apparatus manufacturing	45 935	3 605 881	2 986 639	619 242	3
	2002..	64 455	4 515 780	3 742 129	773 651	X
334210	Telephone apparatus manufacturing	45 935	3 605 881	2 986 639	619 242	3
	2002..	64 455	4 515 780	3 742 129	773 651	X
33422	Radio and television broadcasting and wireless communications equipment manufacturing	95 100	6 690 298	5 251 303	1 438 995	3
	2002..	100 556	6 812 093	5 408 717	1 403 376	X
334220	Radio and television broadcasting and wireless communications equipment manufacturing	95 100	6 690 298	5 251 303	1 438 995	3
	2002..	100 556	6 812 093	5 408 717	1 403 376	X
33429	Other communications equipment manufacturing	22 489	1 249 060	1 011 007	238 053	1
	2002..	25 567	1 435 301	1 147 168	288 133	X
334290	Other communications equipment manufacturing	22 489	1 249 060	1 011 007	238 053	1
	2002..	25 567	1 435 301	1 147 168	288 133	X
3343	Audio and video equipment manufacturing	25 010	1 221 268	996 383	224 885	1
	2002..	25 576	1 192 996	974 273	218 723	X
33431	Audio and video equipment manufacturing	25 010	1 221 268	996 383	224 885	1
	2002..	25 576	1 192 996	974 273	218 723	X
334310	Audio and video equipment manufacturing	25 010	1 221 268	996 383	224 885	1
	2002..	25 576	1 192 996	974 273	218 723	X
3344	Semiconductor and other electronic component manufacturing	388 741	22 928 339	18 613 856	4 314 483	1
	2002..	437 198	24 434 795	19 893 619	4 541 176	X
33441	Semiconductor and other electronic component manufacturing	388 741	22 928 339	18 613 856	4 314 483	1
	2002..	437 198	24 434 795	19 893 619	4 541 176	X
334411	Electron tube manufacturing	9 163	509 574	381 560	128 013	1
	2002..	11 341	639 158	480 215	158 943	X
334412	Bare printed circuit board manufacturing	41 241	1 770 554	1 476 246	294 309	3
	2002..	46 962	2 011 708	1 660 002	351 706	X
334413	Semiconductor and related device manufacturing	149 960	11 460 836	9 234 011	2 226 825	1
	2002..	169 134	12 071 202	9 804 385	2 266 817	X
334414	Electronic capacitor manufacturing	9 075	408 454	322 514	85 940	4
	2002..	10 937	483 961	383 510	100 451	X
334415	Electronic resistor manufacturing	6 534	255 393	205 274	50 120	3
	2002..	5 518	218 744	176 212	42 532	X
334416	Electronic coil, transformer, and other inductor manufacturing	11 487	421 670	348 302	73 368	3
	2002..	11 386	399 263	332 933	66 330	X
334417	Electronic connector manufacturing	22 921	1 116 340	899 742	216 598	1
	2002..	24 825	1 142 317	929 057	213 260	X
334418	Printed circuit assembly (electronic assembly) manufacturing	76 357	4 091 237	3 373 421	717 816	2
	2002..	86 593	4 238 664	3 480 238	758 426	X
334419	Other electronic component manufacturing	62 004	2 894 280	2 372 787	521 493	1
	2002..	70 502	3 229 778	2 647 067	582 711	X
3345	Navigational, measuring, electromedical, and control instruments manufacturing	406 756	30 548 926	24 306 491	6 242 435	1
	2002..	418 898	29 647 654	23 633 741	6 013 913	X
33451	Navigational, measuring, medical, and control instruments manufacturing	406 756	30 548 926	24 306 491	6 242 435	1
	2002..	418 898	29 647 654	23 633 741	6 013 913	X
334510	Electromedical and electrotherapeutic apparatus manufacturing	58 384	4 054 403	3 315 505	738 898	1
	2002..	59 223	3 850 862	3 160 193	690 669	X
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	151 284	13 136 029	10 095 439	3 040 590	1
	2002..	143 325	11 831 578	9 172 385	2 659 193	X
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	18 034	857 990	677 749	180 240	1
	2002..	18 166	858 865	680 846	178 019	X
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	35 961	2 135 036	1 732 220	402 816	1
	2002..	39 790	2 296 161	1 879 133	417 028	X
334514	Totalizing fluid meter and counting device manufacturing	15 097	901 484	666 258	235 226	1
	2002..	16 542	954 694	734 619	220 075	X
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	47 929	3 729 660	3 116 577	613 083	1
	2002..	57 117	4 214 007	3 367 648	846 359	X
334516	Analytical laboratory instrument manufacturing	33 567	2 542 003	2 084 899	457 105	1
	2002..	34 010	2 458 944	2 000 851	458 093	X
334517	Irradiation apparatus manufacturing	12 704	1 089 506	904 482	185 024	1
	2002..	13 353	972 492	821 993	150 499	X
334518	Watch, clock, and parts manufacturing	2 793	125 268	102 319	22 949	6
	2002..	3 570	157 029	126 034	30 995	X
334519	Other measuring and controlling device manufacturing	31 003	1 977 548	1 611 044	366 504	3
	2002..	33 802	2 053 022	1 690 039	362 983	X
3346	Manufacturing and reproducing magnetic and optical media	36 691	1 724 053	1 402 526	321 526	2
	2002..	38 833	1 714 714	1 396 904	317 810	X
33461	Manufacturing and reproducing magnetic and optical media	36 691	1 724 053	1 402 526	321 526	2
	2002..	38 833	1 714 714	1 396 904	317 810	X
334611	Software reproducing	2 553	123 696	105 059	18 637	15
	2002..	2 721	138 710	117 329	21 381	X
334612	Prerecorded compact disc (except software), tape, and record reproducing	27 039	1 109 027	902 150	206 877	2
	2002..	29 438	1 200 924	985 530	215 394	X
334613	Magnetic and optical recording media manufacturing	7 099	491 330	395 317	96 013	4
	2002..	6 674	375 080	294 045	81 035	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Industry Groups and Industries: 2003 and 2002—Con.

[Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	All employees ²	Compensation (\$1,000)			Relative standard error of estimate ³ (percent) for column—
			Total	Payroll	Total fringe benefits	
336	Transportation equipment manufacturing—Con.					
3362	Motor vehicle body and trailer manufacturing	127 420	5 268 429	4 332 683	935 746	1
	2002..	127 082	5 065 173	4 191 764	873 409	X
33621	Motor vehicle body and trailer manufacturing	127 420	5 268 429	4 332 683	935 746	1
	2002..	127 082	5 065 173	4 191 764	873 409	X
336211	Motor vehicle body manufacturing	40 391	1 797 044	1 450 839	346 204	1
	2002..	41 238	1 765 784	1 420 101	345 683	X
336212	Truck trailer manufacturing	23 716	964 986	773 800	191 186	2
	2002..	23 589	885 957	723 974	161 983	X
336213	Motor home manufacturing	21 775	917 023	757 968	159 055	1
	2002..	20 776	863 317	726 182	137 135	X
336214	Travel trailer and camper manufacturing	41 538	1 589 376	1 350 075	239 301	2
	2002..	41 479	1 550 115	1 321 507	228 608	X
3363	Motor vehicle parts manufacturing	670 465	43 131 316	31 400 726	11 730 589	1
	2002..	730 183	43 475 017	32 220 456	11 254 561	X
33631	Motor vehicle gasoline engine and engine parts manufacturing	87 365	6 349 175	4 620 450	1 728 725	1
	2002..	99 879	6 492 693	4 812 385	1 680 308	X
33631M	Motor vehicle gasoline engine and engine parts manufacturing	87 365	6 349 175	4 620 450	1 728 725	1
	2002..	99 879	6 492 693	4 812 385	1 680 308	X
33632	Motor vehicle electrical and electronic equipment manufacturing	92 339	5 415 374	3 903 113	1 512 261	1
	2002..	98 519	5 486 728	4 045 896	1 440 832	X
33632M	Motor vehicle electrical and electronic equipment manufacturing	92 339	5 415 374	3 903 113	1 512 261	1
	2002..	98 519	5 486 728	4 045 896	1 440 832	X
33633	Motor vehicle steering and suspension component (except spring) manufacturing	39 696	2 839 280	1 917 837	921 444	2
	2002..	41 783	2 823 620	2 045 377	778 243	X
336330	Motor vehicle steering and suspension component (except spring) manufacturing	39 696	2 839 280	1 917 837	921 444	2
	2002..	41 783	2 823 620	2 045 377	778 243	X
33634	Motor vehicle brake system manufacturing	41 217	2 194 018	1 604 102	589 915	1
	2002..	42 356	2 239 418	1 660 877	578 541	X
336340	Motor vehicle brake system manufacturing	41 217	2 194 018	1 604 102	589 915	1
	2002..	42 356	2 239 418	1 660 877	578 541	X
33635	Motor vehicle transmission and power train parts manufacturing	89 281	7 410 322	5 365 213	2 045 109	1
	2002..	102 269	7 813 887	5 722 538	2 091 349	X
336350	Motor vehicle transmission and power train parts manufacturing	89 281	7 410 322	5 365 213	2 045 109	1
	2002..	102 269	7 813 887	5 722 538	2 091 349	X
33636	Motor vehicle seating and interior trim manufacturing	54 852	2 953 756	2 164 569	789 188	1
	2002..	56 041	2 771 816	2 069 446	702 370	X
336360	Motor vehicle seating and interior trim manufacturing	54 852	2 953 756	2 164 569	789 188	1
	2002..	56 041	2 771 816	2 069 446	702 370	X
33637	Motor vehicle metal stamping	106 292	7 631 231	5 752 544	1 878 686	2
	2002..	125 636	7 594 860	5 785 041	1 809 819	X
336370	Motor vehicle metal stamping	106 292	7 631 231	5 752 544	1 878 686	2
	2002..	125 636	7 594 860	5 785 041	1 809 819	X
33639	Other motor vehicle parts manufacturing	159 422	8 338 160	6 072 899	2 265 261	1
	2002..	163 700	8 251 995	6 078 896	2 173 099	X
336391	Motor vehicle air-conditioning manufacturing	18 870	1 418 233	938 360	479 872	1
	2002..	19 053	1 390 213	920 567	469 646	X
336399	All other miscellaneous motor vehicle parts manufacturing	140 552	6 919 927	5 134 538	1 785 389	1
	2002..	144 647	6 861 782	5 158 329	1 703 453	X
3364	Aerospace product and parts manufacturing	374 563	30 594 899	23 101 465	7 493 434	1
	2002..	396 318	31 202 703	23 796 065	7 406 638	X
33641	Aerospace product and parts manufacturing	374 563	30 594 899	23 101 465	7 493 434	1
	2002..	396 318	31 202 703	23 796 065	7 406 638	X
336411	Aircraft manufacturing	156 715	12 761 763	9 776 023	2 985 740	1
	2002..	166 487	13 245 574	10 091 352	3 154 222	X
336412	Aircraft engine and engine parts manufacturing	65 835	5 189 934	3 925 954	1 263 980	1
	2002..	72 138	5 418 757	4 130 836	1 287 921	X
336413	Other aircraft parts and auxiliary equipment manufacturing	94 392	7 172 691	5 244 998	1 927 693	1
	2002..	98 299	7 057 876	5 333 010	1 724 866	X
336414	Guided missile and space vehicle manufacturing	38 081	3 846 258	2 891 937	954 321	1
	2002..	38 661	3 783 090	2 935 471	847 619	X
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	13 843	1 255 974	979 602	276 372	1
	2002..	14 512	1 281 651	984 405	297 246	X
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	5 696	368 280	282 951	85 328	1
	2002..	6 221	415 755	320 991	94 764	X
3365	Railroad rolling stock manufacturing	24 675	1 535 655	1 166 328	369 327	1
	2002..	25 638	1 586 185	1 208 611	377 574	X
33651	Railroad rolling stock manufacturing	24 675	1 535 655	1 166 328	369 327	1
	2002..	25 638	1 586 185	1 208 611	377 574	X
336510	Railroad rolling stock manufacturing	24 675	1 535 655	1 166 328	369 327	1
	2002..	25 638	1 586 185	1 208 611	377 574	X
3366	Ship and boat building	134 507	6 728 570	5 199 415	1 529 155	1
	2002..	137 339	6 540 188	5 088 638	1 451 550	X
33661	Ship and boat building	134 507	6 728 570	5 199 415	1 529 155	1
	2002..	137 339	6 540 188	5 088 638	1 451 550	X
336611	Ship building and repairing	85 042	4 818 344	3 656 405	1 161 939	1
	2002..	87 412	4 732 069	3 614 883	1 117 186	X
336612	Boat building	49 465	1 910 226	1 543 011	367 216	2
	2002..	49 927	1 808 119	1 473 755	334 364	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2003 and 2002—Con.

[Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy		Generated less sold (1,000 kWh)	Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—		
			Purchased				E	C	E
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D				
334	Computer and electronic product manufacturing—Con.								
3342	Communications equipment manufacturing	2003.. 264 524	2 681 929	197 315	—	67 210	3	1	
		2002.. 257 115	2 312 714	172 198	D	84 917	X	X	
33421	Telephone apparatus manufacturing	2003.. 112 551	1 009 805	68 473	—	44 078	4	1	
		2002.. 105 941	646 110	45 426	D	60 515	X	X	
334210	Telephone apparatus manufacturing	2003.. 112 551	1 009 805	68 473	—	44 078	4	1	
		2002.. 105 941	646 110	45 426	D	60 515	X	X	
33422	Radio and television broadcasting and wireless communications equipment manufacturing	2003.. D	1 387 269	104 385	—	D	5	S	
		2002.. 114 845	1 384 300	99 656	D	15 189	X	X	
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2003.. D	1 387 269	104 385	—	D	5	S	
		2002.. 114 845	1 384 300	99 656	D	15 189	X	X	
33429	Other communications equipment manufacturing	2003.. D	284 855	24 457	—	D	9	S	
		2002.. 36 329	282 304	27 116	D	9 213	X	X	
334290	Other communications equipment manufacturing	2003.. D	284 855	24 457	—	D	9	S	
		2002.. 36 329	282 304	27 116	D	9 213	X	X	
3343	Audio and video equipment manufacturing	2003.. 33 328	557 244	28 025	D	5 303	2	3	
		2002.. 34 349	567 126	29 031	D	5 318	X	X	
33431	Audio and video equipment manufacturing	2003.. 33 328	557 244	28 025	D	5 303	2	3	
		2002.. 34 349	567 126	29 031	D	5 318	X	X	
334310	Audio and video equipment manufacturing	2003.. 33 328	557 244	28 025	D	5 303	2	3	
		2002.. 34 349	567 126	29 031	D	5 318	X	X	
3344	Semiconductor and other electronic component manufacturing	2003.. 1 263 214	18 875 253	1 097 463	D	165 752	1	3	
		2002.. 1 307 295	19 168 285	1 130 446	D	176 849	X	X	
33441	Semiconductor and other electronic component manufacturing	2003.. 1 263 214	18 875 253	1 097 463	D	165 752	1	3	
		2002.. 1 307 295	19 168 285	1 130 446	D	176 849	X	X	
334411	Electron tube manufacturing	2003.. 46 141	580 234	32 396	—	13 745	1	1	
		2002.. 51 377	740 200	37 016	—	14 361	X	X	
334412	Bare printed circuit board manufacturing	2003.. 108 062	1 240 809	87 164	—	20 898	2	1	
		2002.. 124 023	1 381 183	100 538	—	23 485	X	X	
334413	Semiconductor and related device manufacturing	2003.. 791 912	13 178 263	701 878	D	90 033	1	5	
		2002.. 814 913	13 128 747	713 686	D	101 227	X	X	
334414	Electronic capacitor manufacturing	2003.. 21 690	336 165	18 692	—	2 998	4	2	
		2002.. 28 890	425 387	25 054	—	3 836	X	X	
334415	Electronic resistor manufacturing	2003.. 12 268	169 818	10 854	—	1 414	3	4	
		2002.. 10 880	146 650	9 619	—	1 261	X	X	
334416	Electronic coil, transformer, and other inductor manufacturing	2003.. 10 325	113 260	8 273	—	2 052	3	3	
		2002.. 9 049	102 677	7 211	—	1 838	X	X	
334417	Electronic connector manufacturing	2003.. 40 931	474 001	34 602	—	6 328	3	1	
		2002.. 42 449	469 079	37 097	—	5 352	X	X	
334418	Printed circuit assembly (electronic assembly) manufacturing	2003.. 144 058	1 768 283	128 263	—	15 795	3	4	
		2002.. 130 656	1 644 149	116 839	—	13 817	X	X	
334419	Other electronic component manufacturing	2003.. 87 827	1 014 420	75 340	—	12 487	2	9	
		2002.. 95 058	1 130 213	83 386	—	11 672	X	X	
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2003.. 578 879	7 576 369	498 682	-13 187	80 197	1	1	
		2002.. 551 595	6 826 216	465 527	3 719	86 068	X	X	
33451	Navigational, measuring, medical, and control instruments manufacturing	2003.. 578 879	7 576 369	498 682	-13 187	80 197	1	1	
		2002.. 551 595	6 826 216	465 527	3 719	86 068	X	X	
334510	Electromedical and electrotherapeutic apparatus manufacturing	2003.. 57 889	810 407	50 944	—	6 944	1	1	
		2002.. 55 994	753 054	46 825	D	9 169	X	X	
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2003.. 251 161	3 384 461	216 218	D	34 943	1	1	
		2002.. 256 281	3 157 375	215 771	-4 247	40 510	X	X	
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2003.. 20 736	278 506	17 267	—	3 469	3	3	
		2002.. 22 016	300 915	18 321	D	3 695	X	X	
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2003.. 46 866	556 824	39 070	—	7 796	1	2	
		2002.. 45 140	551 547	38 309	D	6 831	X	X	
334514	Totalizing fluid meter and counting device manufacturing	2003.. 20 806	306 416	15 175	—	5 631	1	1	
		2002.. 22 236	320 785	17 153	—	5 083	X	X	
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2003.. 76 312	999 632	70 919	D	5 393	3	6	
		2002.. 60 062	711 950	54 358	D	5 704	X	X	
334516	Analytical laboratory instrument manufacturing	2003.. 48 030	547 226	40 463	—	7 567	6	3	
		2002.. 35 229	360 446	27 714	—	7 515	X	X	
334517	Irradiation apparatus manufacturing	2003.. 17 748	200 905	14 782	—	2 966	3	2	
		2002.. 14 982	169 346	12 817	—	2 165	X	X	
334518	Watch, clock, and parts manufacturing	2003.. 3 770	46 933	3 178	—	593	8	21	
		2002.. 4 235	51 560	3 461	—	774	X	X	
334519	Other measuring and controlling device manufacturing	2003.. 35 561	445 060	30 666	19	4 895	3	2	
		2002.. 35 420	449 238	30 798	D	4 622	X	X	
3346	Manufacturing and reproducing magnetic and optical media	2003.. 94 118	1 238 042	78 632	—	15 486	1	14	
		2002.. 98 531	1 229 376	81 818	D	16 713	X	X	
33461	Manufacturing and reproducing magnetic and optical media	2003.. 94 118	1 238 042	78 632	—	15 486	1	14	
		2002.. 98 531	1 229 376	81 818	D	16 713	X	X	
334611	Software reproducing	2003.. 7 579	79 285	5 581	—	1 998	5	10	
		2002.. 6 481	71 275	5 169	—	1 312	X	X	
334612	Prerecorded compact disc (except software), tape, and record reproducing	2003.. 57 681	788 222	52 072	—	5 610	2	39	
		2002.. 62 694	836 762	55 274	—	7 420	X	X	
334613	Magnetic and optical recording media manufacturing	2003.. 28 858	370 535	20 980	—	7 878	3	1	
		2002.. 29 356	321 339	21 375	D	7 981	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Groups and Industries: 2003 and 2002—Con.

[Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ² (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
336	Transportation equipment manufacturing—Con.							
3362	Motor vehicle body and trailer manufacturing	2003.. 134 230	1 468 192	87 890	—	46 341	2	2
		2002.. 126 987	1 404 117	85 122	-1 911	41 865	X	X
33621	Motor vehicle body and trailer manufacturing	2003.. 134 230	1 468 192	87 890	—	46 341	2	2
		2002.. 126 987	1 404 117	85 122	-1 911	41 865	X	X
336211	Motor vehicle body manufacturing	2003.. 46 819	517 812	31 233	—	15 587	3	4
		2002.. 50 079	575 124	33 879	D	16 200	X	X
336212	Truck trailer manufacturing	2003.. 30 430	387 377	21 105	—	9 325	4	4
		2002.. 26 455	328 141	19 282	D	7 173	X	X
336213	Motor home manufacturing	2003.. 18 474	187 597	11 671	—	6 803	1	3
		2002.. 15 425	168 530	10 537	—	4 888	X	X
336214	Travel trailer and camper manufacturing	2003.. 38 507	375 405	23 881	—	14 626	3	3
		2002.. 35 028	332 322	21 424	D	13 604	X	X
3363	Motor vehicle parts manufacturing	2003.. 1 867 797	26 498 488	1 322 967	-113 613	544 830	1	1
		2002.. 1 829 791	27 951 302	1 369 964	-104 199	459 827	X	X
33631	Motor vehicle gasoline engine and engine parts manufacturing	2003.. 297 779	4 593 581	218 497	D	79 282	1	1
		2002.. 292 776	4 798 080	226 508	-27 434	66 268	X	X
33631M	Motor vehicle gasoline engine and engine parts manufacturing	2003.. 297 779	4 593 581	218 497	D	79 282	1	1
		2002.. 292 776	4 798 080	226 508	-27 434	66 268	X	X
33632	Motor vehicle electrical and electronic equipment manufacturing	2003.. 180 410	2 750 964	138 131	—	42 279	1	2
		2002.. 185 181	2 767 013	147 193	D	37 988	X	X
33632M	Motor vehicle electrical and electronic equipment manufacturing	2003.. 180 410	2 750 964	138 131	—	42 279	1	2
		2002.. 185 181	2 767 013	147 193	D	37 988	X	X
33633	Motor vehicle steering and suspension component (except spring) manufacturing	2003.. 121 753	1 840 692	85 913	—	35 840	1	1
		2002.. 110 367	1 843 889	84 783	—	25 584	X	X
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2003.. 121 753	1 840 692	85 913	—	35 840	1	1
		2002.. 110 367	1 843 889	84 783	—	25 584	X	X
33634	Motor vehicle brake system manufacturing	2003.. 113 115	1 777 500	89 116	D	23 999	1	1
		2002.. 107 605	1 738 337	85 594	D	22 011	X	X
336340	Motor vehicle brake system manufacturing	2003.. 113 115	1 777 500	89 116	D	23 999	1	1
		2002.. 107 605	1 738 337	85 594	D	22 011	X	X
33635	Motor vehicle transmission and power train parts manufacturing	2003.. 336 989	4 818 310	222 104	D	114 885	2	1
		2002.. 328 761	5 128 816	235 167	-28 621	93 594	X	X
336350	Motor vehicle transmission and power train parts manufacturing	2003.. 336 989	4 818 310	222 104	D	114 885	2	1
		2002.. 328 761	5 128 816	235 167	-28 621	93 594	X	X
33636	Motor vehicle seating and interior trim manufacturing	2003.. 76 913	1 139 946	61 295	—	15 617	4	2
		2002.. 76 007	1 125 450	61 453	—	14 554	X	X
336360	Motor vehicle seating and interior trim manufacturing	2003.. 76 913	1 139 946	61 295	—	15 617	4	2
		2002.. 76 007	1 125 450	61 453	—	14 554	X	X
33637	Motor vehicle metal stamping	2003.. 297 813	3 960 308	210 837	-58 375	86 976	2	4
		2002.. 286 666	4 136 499	214 436	D	72 230	X	X
336370	Motor vehicle metal stamping	2003.. 297 813	3 960 308	210 837	-58 375	86 976	2	4
		2002.. 286 666	4 136 499	214 436	D	72 230	X	X
33639	Other motor vehicle parts manufacturing	2003.. 443 027	5 617 186	297 074	D	145 953	1	4
		2002.. 442 428	6 413 218	314 830	D	127 598	X	X
336391	Motor vehicle air-conditioning manufacturing	2003.. 45 568	751 592	31 464	—	14 103	1	2
		2002.. 71 565	1 704 071	61 277	—	10 288	X	X
336399	All other miscellaneous motor vehicle parts manufacturing	2003.. 397 460	4 865 594	265 610	D	131 850	1	4
		2002.. 370 863	4 709 147	253 553	D	117 310	X	X
3364	Aerospace product and parts manufacturing	2003.. 781 455	9 947 918	606 194	248 081	175 261	1	1
		2002.. 860 533	10 313 995	655 881	157 270	204 652	X	X
33641	Aerospace product and parts manufacturing	2003.. 781 455	9 947 918	606 194	248 081	175 261	1	1
		2002.. 860 533	10 313 995	655 881	157 270	204 652	X	X
336411	Aircraft manufacturing	2003.. 186 033	2 562 090	142 313	D	43 720	1	1
		2002.. 241 302	3 196 094	191 913	D	49 389	X	X
336412	Aircraft engine and engine parts manufacturing	2003.. 184 124	2 157 871	132 269	243 954	51 855	1	1
		2002.. 183 827	2 179 538	130 680	246 058	53 147	X	X
336413	Other aircraft parts and auxiliary equipment manufacturing	2003.. 271 646	3 564 260	220 399	D	51 247	1	4
		2002.. 291 686	3 222 164	218 194	15 790	73 492	X	X
336414	Guided missile and space vehicle manufacturing	2003.. 77 882	834 083	63 082	—	14 800	1	1
		2002.. 78 282	799 689	63 694	—	14 588	X	X
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2003.. 41 847	539 394	32 450	D	9 397	1	1
		2002.. 43 847	605 267	35 035	D	8 812	X	X
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2003.. 19 923	290 220	15 680	—	4 243	1	1
		2002.. 21 589	311 243	16 365	—	5 224	X	X
3365	Railroad rolling stock manufacturing	2003.. 46 739	438 591	27 431	D	19 308	1	2
		2002.. 44 535	399 952	26 994	D	17 541	X	X
33651	Railroad rolling stock manufacturing	2003.. 46 739	438 591	27 431	D	19 308	1	2
		2002.. 44 535	399 952	26 994	D	17 541	X	X
336510	Railroad rolling stock manufacturing	2003.. 46 739	438 591	27 431	D	19 308	1	2
		2002.. 44 535	399 952	26 994	D	17 541	X	X
3366	Ship and boat building	2003.. 158 401	2 122 829	121 012	D	37 389	1	2
		2002.. 151 162	1 965 823	117 957	-2 065	33 205	X	X
33661	Ship and boat building	2003.. 158 401	2 122 829	121 012	D	37 389	1	2
		2002.. 151 162	1 965 823	117 957	-2 065	33 205	X	X
336611	Ship building and repairing	2003.. 109 063	1 617 477	87 880	—	21 182	1	1
		2002.. 103 375	1 486 477	85 438	D	17 937	X	X
336612	Boat building	2003.. 49 338	505 352	33 132	D	16 206	3	5
		2002.. 47 787	479 346	32 519	D	15 268	X	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2003 and 2002—Con.

[Thousand dollars. Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—				
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures					
									A	B	C	D
334	Computer and electronic product manufacturing—Con.											
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2003.. 2 937 356 2002.. 2 662 306	679 440 532 966	2 257 916 2 129 340	27 761 55 522	431 564 324 936	1 798 591 1 748 882	1	X			
33451	Navigational, measuring, medical, and control instruments manufacturing	2003.. 2 937 356 2002.. 2 662 306	679 440 532 966	2 257 916 2 129 340	27 761 55 522	431 564 324 936	1 798 591 1 748 882	1	X			
334510	Electromedical and electrotherapeutic apparatus manufacturing	2003.. 370 621 2002.. 470 512	141 388 79 471	229 232 391 041	3 292 7 223	42 271 79 450	183 669 304 368	1	X			
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2003.. 1 291 287 2002.. 934 650	380 987 172 513	910 300 762 137	4 034 18 625	226 888 101 346	679 378 642 166	1	X			
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2003.. 53 080 2002.. 61 475	2 926 5 503	50 154 55 972	221 2 272	4 668 6 280	45 265 47 420	1	X			
334513	Instruments and related products manufacturing for measuring, displaying, and controlling industrial process variables	2003.. 97 816 2002.. 168 555	11 611 27 277	86 205 141 278	3 170 6 194	20 720 30 433	62 315 104 651	1	X			
334514	Totalizing fluid meter and counting device manufacturing	2003.. 69 278 2002.. 90 442	7 878 7 228	61 400 83 214	367 2 527	7 377 6 440	53 657 74 247	1	X			
334515	Instrument manufacturing for measuring and testing electricity and electrical signals	2003.. 511 642 2002.. 470 119	35 607 146 136	476 035 323 983	8 016 6 308	53 428 30 516	414 590 287 159	1	X			
334516	Analytical laboratory instrument manufacturing	2003.. 370 369 2002.. 237 739	68 858 54 330	301 511 183 409	4 475 4 481	44 856 29 457	252 180 149 471	1	X			
334517	Irradiation apparatus manufacturing	2003.. 58 935 2002.. 92 737	15 694 16 461	43 240 76 276	214 1 991	12 663 15 288	30 363 58 997	1	X			
334518	Watch, clock, and parts manufacturing	2003.. 4 389 2002.. 9 421	666 1 183	3 723 8 238	357 651	585 1 552	2 781 6 035	1	X			
334519	Other measuring and controlling device manufacturing	2003.. 109 938 2002.. 126 656	13 824 22 864	96 114 103 792	3 615 5 250	18 107 24 174	74 392 74 368	1	X			
3346	Manufacturing and reproducing magnetic and optical media	2003.. 369 536 2002.. 410 427	19 338 34 936	350 198 375 491	4 933 5 008	28 481 20 326	316 785 350 157	1	X			
33461	Manufacturing and reproducing magnetic and optical media	2003.. 369 536 2002.. 410 427	19 338 34 936	350 198 375 491	4 933 5 008	28 481 20 326	316 785 350 157	1	X			
334611	Software reproducing	2003.. 11 573 2002.. 18 248	1 120 2 966	10 453 15 282	407 1 045	4 163 2 989	5 883 11 248	12	X			
334612	Prerecorded compact disc (except software), tape, and record reproducing	2003.. 255 126 2002.. 254 964	3 628 14 460	251 498 240 504	4 377 3 323	20 120 13 461	227 000 223 720	1	X			
334613	Magnetic and optical recording media manufacturing	2003.. 102 836 2002.. 137 215	14 589 17 510	88 247 119 705	149 640	4 197 3 876	83 901 115 189	1	X			
335	Electrical equipment, appliance, and component manufacturing	2003.. 2 244 023 2002.. 2 699 261	211 871 401 381	2 032 151 2 297 880	33 725 47 128	183 182 209 251	1 815 244 2 041 501	1	X			
3351	Electric lighting equipment manufacturing	2003.. 205 348 2002.. 276 416	19 579 45 870	185 769 230 546	4 742 6 925	26 372 37 053	154 655 186 568	3	X			
33511	Electric lamp bulb and parts manufacturing	2003.. 53 480 2002.. 76 934	1 089 8 861	52 391 68 073	— 1 676	3 226 3 917	49 165 62 480	1	X			
335110	Electric lamp bulb and parts manufacturing	2003.. 53 480 2002.. 76 934	1 089 8 861	52 391 68 073	— 1 676	3 226 3 917	49 165 62 480	1	X			
33512	Lighting fixture manufacturing	2003.. 151 868 2002.. 199 482	18 490 37 009	133 378 162 473	4 742 5 249	23 146 33 136	105 490 124 088	4	X			
33512M	Lighting fixture manufacturing	2003.. 151 868 2002.. 199 482	18 490 37 009	133 378 162 473	4 742 5 249	23 146 33 136	105 490 124 088	4	X			
3352	Household appliance manufacturing	2003.. 635 038 2002.. 604 247	53 877 73 857	581 161 530 390	1 481 2 401	12 772 23 288	566 909 504 701	1	X			
33521	Small electrical appliance manufacturing	2003.. 92 362 2002.. 123 960	27 131 12 902	65 231 111 058	571 1 057	4 312 9 132	60 348 100 869	1	X			
33521M	Small electrical appliance manufacturing	2003.. 92 362 2002.. 123 960	27 131 12 902	65 231 111 058	571 1 057	4 312 9 132	60 348 100 869	1	X			
33522	Major appliance manufacturing	2003.. 542 676 2002.. 480 287	26 746 60 955	515 930 419 332	910 1 344	8 460 14 156	506 561 403 832	1	X			
335221	Household cooking appliance manufacturing	2003.. 143 242 2002.. 115 654	9 253 18 889	133 989 96 765	350 623	2 632 4 057	131 007 92 085	1	X			
335222	Household refrigerator and home freezer manufacturing	2003.. 132 691 2002.. 155 257	3 480 8 674	129 211 146 583	D D	D D	127 575 144 131	1	X			
335224	Household laundry equipment manufacturing	2003.. 72 294 2002.. 80 392	5 101 9 018	67 193 71 374	— D	D D	D 70 357	1	X			
335228	Other major household appliance manufacturing	2003.. 194 449 2002.. 128 984	8 912 24 374	185 537 104 610	D 293	3 755 7 058	D 97 259	1	X			
3353	Electrical equipment manufacturing	2003.. 418 715 2002.. 669 370	42 824 99 665	375 891 569 705	9 010 15 726	43 733 58 695	323 149 495 284	1	X			

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment by Industry Groups and Industries: 2003 and 2002—Con.

[Thousand dollars. Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	Total (new and used)	Buildings and other structures	Machinery and equipment				Relative standard error of estimate ² (percent) for column—	
				Total	Automobiles, trucks, etc., for highway use	Computers and peripheral data processing equipment	All other expenditures		
									A
336	Transportation equipment manufacturing—Con.								
3363	Motor vehicle parts manufacturing—Con.								
33633	Motor vehicle steering and suspension component (except spring) manufacturing	2003.. 364 245	38 710	325 535	2 274	7 971	315 290	1	
		2002.. 400 763	38 738	362 025	2 452	8 797	350 776	X	
336330	Motor vehicle steering and suspension component (except spring) manufacturing	2003.. 364 245	38 710	325 535	2 274	7 971	315 290	1	
		2002.. 400 763	38 738	362 025	2 452	8 797	350 776	X	
33634	Motor vehicle brake system manufacturing	2003.. 423 296	14 172	409 123	2 146	12 162	394 815	1	
		2002.. 568 244	46 331	521 913	6 836	17 907	497 170	X	
336340	Motor vehicle brake system manufacturing	2003.. 423 296	14 172	409 123	2 146	12 162	394 815	1	
		2002.. 568 244	46 331	521 913	6 836	17 907	497 170	X	
33635	Motor vehicle transmission and power train parts manufacturing	2003.. 1 175 477	124 541	1 050 936	10 896	45 926	994 115	1	
		2002.. 1 620 749	179 152	1 441 597	8 773	35 935	1 396 889	X	
336350	Motor vehicle transmission and power train parts manufacturing	2003.. 1 175 477	124 541	1 050 936	10 896	45 926	994 115	1	
		2002.. 1 620 749	179 152	1 441 597	8 773	35 935	1 396 889	X	
33636	Motor vehicle seating and interior trim manufacturing	2003.. 313 107	28 588	284 518	2 144	12 277	270 097	1	
		2002.. 335 551	73 470	262 081	6 260	15 141	240 680	X	
336360	Motor vehicle seating and interior trim manufacturing	2003.. 313 107	28 588	284 518	2 144	12 277	270 097	1	
		2002.. 335 551	73 470	262 081	6 260	15 141	240 680	X	
33637	Motor vehicle metal stamping	2003.. 1 904 112	145 465	1 758 648	42 219	237 878	1 478 550	1	
		2002.. 1 023 808	156 315	867 493	12 911	43 180	811 402	X	
336370	Motor vehicle metal stamping	2003.. 1 904 112	145 465	1 758 648	42 219	237 878	1 478 550	1	
		2002.. 1 023 808	156 315	867 493	12 911	43 180	811 402	X	
33639	Other motor vehicle parts manufacturing	2003.. 1 365 303	83 352	1 281 951	19 481	69 844	1 192 626	1	
		2002.. 1 596 461	161 376	1 435 085	25 392	62 236	1 347 457	X	
336391	Motor vehicle air-conditioning manufacturing	2003.. 136 866	5 928	130 939	1 678	6 605	122 656	1	
		2002.. 211 585	13 031	198 554	4 054	8 777	185 723	X	
336399	All other miscellaneous motor vehicle parts manufacturing	2003.. 1 228 437	77 424	1 151 012	17 803	63 239	1 069 970	1	
		2002.. 1 384 876	148 345	1 236 531	21 338	53 459	1 161 734	X	
3364	Aerospace product and parts manufacturing	2003.. 2 337 126	555 827	1 781 298	50 316	211 583	1 519 399	1	
		2002.. 2 885 424	603 968	2 281 456	45 036	277 643	1 958 777	X	
33641	Aerospace product and parts manufacturing	2003.. 2 337 126	555 827	1 781 298	50 316	211 583	1 519 399	1	
		2002.. 2 885 424	603 968	2 281 456	45 036	277 643	1 958 777	X	
336411	Aircraft manufacturing	2003.. 691 788	363 158	328 630	3 033	44 256	281 341	1	
		2002.. 913 852	245 004	668 848	6 540	58 635	603 673	X	
336412	Aircraft engine and engine parts manufacturing	2003.. 674 131	12 034	662 097	18 859	56 022	587 216	1	
		2002.. 819 206	101 312	717 894	4 786	68 288	644 820	X	
336413	Other aircraft parts and auxiliary equipment manufacturing	2003.. 495 651	89 804	405 847	13 074	55 223	337 550	1	
		2002.. 664 500	149 454	515 046	15 628	107 664	391 754	X	
336414	Guided missile and space vehicle manufacturing	2003.. 384 543	76 525	308 018	D	D	251 025	1	
		2002.. 364 009	73 463	290 546	D	D	243 302	X	
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2003.. 79 818	13 792	66 026	D	D	52 971	1	
		2002.. 105 889	29 716	76 173	D	D	63 914	X	
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2003.. 11 195	514	10 681	24	1 360	9 296	1	
		2002.. 17 968	5 019	12 949	496	1 139	11 314	X	
3365	Railroad rolling stock manufacturing	2003.. 97 604	10 851	86 752	2 920	6 652	77 181	1	
		2002.. 124 687	31 739	92 948	D	D	81 498	X	
33651	Railroad rolling stock manufacturing	2003.. 97 604	10 851	86 752	2 920	6 652	77 181	1	
		2002.. 124 687	31 739	92 948	D	D	81 498	X	
336510	Railroad rolling stock manufacturing	2003.. 97 604	10 851	86 752	2 920	6 652	77 181	1	
		2002.. 124 687	31 739	92 948	D	D	81 498	X	
3366	Ship and boat building	2003.. 374 306	77 207	297 099	21 860	39 102	236 137	1	
		2002.. 440 053	106 921	333 132	16 545	42 055	274 532	X	
33661	Ship and boat building	2003.. 374 306	77 207	297 099	21 860	39 102	236 137	1	
		2002.. 440 053	106 921	333 132	16 545	42 055	274 532	X	
336611	Ship building and repairing	2003.. 237 762	52 233	185 529	12 206	29 208	144 115	1	
		2002.. 276 415	73 654	202 761	5 674	28 573	168 514	X	
336612	Boat building	2003.. 136 545	24 974	111 570	9 655	9 894	92 022	1	
		2002.. 163 638	33 267	130 371	10 871	13 482	106 018	X	
3369	Other transportation equipment manufacturing	2003.. 368 755	42 058	326 697	6 355	22 113	298 229	2	
		2002.. 519 960	104 878	415 082	D	D	380 570	X	
33699	Other transportation equipment manufacturing	2003.. 368 755	42 058	326 697	6 355	22 113	298 229	2	
		2002.. 519 960	104 878	415 082	D	D	380 570	X	
336991	Motorcycle, bicycle, and parts manufacturing	2003.. 151 884	3 258	148 626	2 829	9 885	135 912	1	
		2002.. 308 547	53 434	255 113	D	D	236 025	X	
336992	Military armored vehicle, tank, and tank component manufacturing	2003.. 21 980	2 644	19 336	1 702	4 241	13 394	1	
		2002.. 15 818	2 860	12 958	D	D	9 643	X	
336999	All other transportation equipment manufacturing	2003.. 194 892	36 156	158 735	1 825	7 987	148 923	4	
		2002.. 195 595	48 584	147 011	3 118	8 991	134 902	X	

See footnotes at end of table.

Table 6. Value of Manufacturers Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—										
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.											
		A	B	C	D	E	F	G	H	A	B	C	D							
334	Computer and electronic product manufacturing—Con.																			
3342	Communications equipment manufacturing—Con.																			
33422	Radio and television broadcasting and wireless communications equipment manufacturing	2003..	7 136 950	974 162	4 596 644	1 566 145	7 335 490	1 114 438	4 307 712	2 913 340	1	3	1	2						
		2002..	7 238 309	1 113 597	4 260 287	1 864 425	6 949 296	1 670 111	3 257 975	2 021 210	X	X	X	X						
334220	Radio and television broadcasting and wireless communications equipment manufacturing	2003..	7 136 950	974 162	4 596 644	1 566 145	7 335 490	1 114 438	4 307 712	2 913 340	1	3	1	2						
		2002..	7 238 309	1 113 597	4 260 287	1 864 425	6 949 296	1 670 111	3 257 975	2 021 210	X	X	X	X						
33429	Other communications equipment manufacturing	2003..	722 932	236 175	97 578	389 179	794 825	253 308	102 466	439 051	2	2	8	4						
		2002..	800 597	256 886	104 007	439 704	778 338	224 599	98 010	455 729	X	X	X	X						
334290	Other communications equipment manufacturing	2003..	722 932	236 175	97 578	389 179	794 825	253 308	102 466	439 051	2	2	8	4						
		2002..	800 597	256 886	104 007	439 704	778 338	224 599	98 010	455 729	X	X	X	X						
3343	Audio and video equipment manufacturing	2003..	843 696	331 405	81 165	431 126	841 890	336 888	107 894	397 107	1	3	4	2						
		2002..	832 780	317 873	110 055	404 852	877 720	338 612	92 439	446 669	X	X	X	X						
33431	Audio and video equipment manufacturing	2003..	843 696	331 405	81 165	431 126	841 890	336 888	107 894	397 107	1	3	4	2						
		2002..	832 780	317 873	110 055	404 852	877 720	338 612	92 439	446 669	X	X	X	X						
334310	Audio and video equipment manufacturing	2003..	843 696	331 405	81 165	431 126	841 890	336 888	107 894	397 107	1	3	4	2						
		2002..	832 780	317 873	110 055	404 852	877 720	338 612	92 439	446 669	X	X	X	X						
3344	Semiconductor and other electronic component manufacturing	2003..	11 651 406	2 088 553	5 102 980	4 459 873	12 106 820	2 293 442	4 880 971	4 932 407	1	1	1	1						
		2002..	12 440 949	2 416 942	5 009 666	5 014 341	13 635 837	2 748 643	5 274 121	5 613 073	X	X	X	X						
33441	Semiconductor and other electronic component manufacturing	2003..	11 651 406	2 088 553	5 102 980	4 459 873	12 106 820	2 293 442	4 880 971	4 932 407	1	1	1	1						
		2002..	12 440 949	2 416 942	5 009 666	5 014 341	13 635 837	2 748 643	5 274 121	5 613 073	X	X	X	X						
334411	Electron tube manufacturing	2003..	288 767	126 887	89 720	72 160	301 661	134 154	82 187	85 319	1	1	1	1						
		2002..	305 774	134 218	87 343	84 213	353 464	159 091	89 028	105 345	X	X	X	X						
334412	Bare printed circuit board manufacturing	2003..	524 168	101 684	137 853	284 630	545 672	99 814	158 835	287 023	3	4	14	4						
		2002..	659 528	116 000	212 338	331 190	715 166	104 616	230 899	379 651	X	X	X	X						
334413	Semiconductor and related device manufacturing	2003..	5 315 202	915 557	3 548 423	851 221	5 402 040	1 038 653	3 319 797	1 043 590	1	1	1	3						
		2002..	5 505 132	1 098 589	3 352 627	1 053 916	5 569 372	1 166 437	3 389 534	1 013 401	X	X	X	X						
334414	Electronic capacitor manufacturing	2003..	307 023	55 545	59 219	192 259	374 179	74 166	70 811	229 207	4	5	3	5						
		2002..	403 525	83 703	84 066	235 756	524 117	141 599	93 051	289 461	X	X	X	X						
334415	Electronic resistor manufacturing	2003..	137 879	44 004	51 467	42 408	143 796	53 303	45 422	45 071	6	2	13	1						
		2002..	123 223	44 737	37 122	41 364	148 425	57 677	43 888	46 860	X	X	X	X						
334416	Electronic coil, transformer, and other inductor manufacturing	2003..	170 963	51 484	31 262	88 216	174 322	55 287	31 161	87 874	2	3	1	2						
		2002..	162 549	54 757	27 741	80 051	184 626	62 357	26 866	95 403	X	X	X	X						
334417	Electronic connector manufacturing	2003..	559 567	136 518	143 468	279 581	611 813	148 478	150 857	312 478	1	1	2	2						
		2002..	605 361	147 396	148 721	309 244	664 184	176 400	170 406	317 378	X	X	X	X						
334418	Printed circuit assembly (electronic assembly) manufacturing	2003..	2 898 912	373 874	662 967	1 862 071	3 009 936	401 388	617 317	1 991 231	2	6	5	3						
		2002..	3 028 350	420 535	613 672	1 994 143	3 667 443	523 574	740 472	2 403 397	X	X	X	X						
334419	Other electronic component manufacturing	2003..	1 448 925	283 000	378 601	787 325	1 543 401	288 199	404 583	850 619	1	3	2	1						
		2002..	1 647 507	317 007	446 036	884 464	1 809 040	356 892	489 977	962 171	X	X	X	X						
3345	Navigational, measuring, electromedical, and control instruments manufacturing	2003..	14 596 205	2 931 136	6 262 233	5 402 835	14 214 392	3 026 055	5 513 232	5 675 105	1	1	1	1						
		2002..	14 504 023	3 127 974	5 592 200	5 783 849	16 036 742	3 363 615	6 601 234	6 071 893	X	X	X	X						
33451	Navigational, measuring, medical, and control instruments manufacturing	2003..	14 596 205	2 931 136	6 262 233	5 402 835	14 214 392	3 026 055	5 513 232	5 675 105	1	1	1	1						
		2002..	14 504 023	3 127 974	5 592 200	5 783 849	16 036 742	3 363 615	6 601 234	6 071 893	X	X	X	X						
334510	Electromedical and electrotherapeutic apparatus manufacturing	2003..	2 105 048	731 690	447 041	926 318	2 087 976	717 892	457 181	912 902	1	1	1	1						
		2002..	2 146 711	731 494	485 291	929 926	2 236 258	812 597	498 624	925 037	X	X	X	X						
334511	Search, detection, navigation, guidance, aeronautical, and nautical system and instrument manufacturing	2003..	5 312 994	258 330	4 273 047	781 616	4 568 707	299 966	3 403 823	864 918	1	3	1	2						
		2002..	4 651 823	368 547	3 418 770	864 506	5 772 041	432 016	4 287 001	1 053 024	X	X	X	X						
334512	Automatic environmental control manufacturing for residential, commercial, and appliance use	2003..	310 216	83 984	102 584	123 648	330 439	89 100	120 485	120 854	2	1	4	1						
		2002..	321 804	85 159	115 390	121 255	384 124	113 581	124 617	145 926	X	X	X	X						

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Table 6. Value of Manufacturers Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. Data based on the 2003 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]

NAICS and NAICS-based code ¹	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ² (percent) for column—									
		Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total	Finished products	Work-in-process	Materials, supplies, fuels, etc.										
		A	B	C	D	E	F	G	H	A	B	C	D						
336	Transportation equipment manufacturing—Con.																		
3364	Aerospace product and parts manufacturing—Con.																		
33641	Aerospace product and parts manufacturing—Con.																		
336413	Other aircraft parts and auxiliary equipment manufacturing	2003.. 4 661 173	769 545	3 069 767	821 860	5 138 407	760 077	3 416 736	961 593	1	3	1	4						
		2002.. 5 184 681	752 577	3 458 413	973 691	5 619 754	768 062	3 754 271	1 097 421	X	X	X	X						
336414	Guided missile and space vehicle manufacturing	2003.. 904 949	1 864	867 303	35 782	959 964	1 969	913 838	44 157	1	1	1	1						
		2002.. 959 810	1 969	913 874	43 967	979 737	1 301	895 495	82 941	X	X	X	X						
336415	Guided missile and space vehicle propulsion unit and propulsion unit parts manufacturing	2003.. 611 154	9 301	565 642	36 211	600 042	9 535	560 142	30 364	2	4	1	11						
		2002.. 580 977	9 658	540 095	31 224	624 352	10 072	567 143	47 137	X	X	X	X						
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	2003.. 113 108	9 575	86 506	17 027	92 741	10 255	66 875	15 611	1	1	1	2						
		2002.. 111 024	10 254	84 573	16 197	80 842	13 309	54 591	12 942	X	X	X	X						
3365	Railroad rolling stock manufacturing	2003.. 1 428 803	402 501	599 416	426 885	1 463 040	475 933	622 034	365 073	1	1	1	1						
		2002.. 1 376 285	445 762	602 490	328 033	1 430 171	474 726	610 247	345 198	X	X	X	X						
33651	Railroad rolling stock manufacturing	2003.. 1 428 803	402 501	599 416	426 885	1 463 040	475 933	622 034	365 073	1	1	1	1						
		2002.. 1 376 285	445 762	602 490	328 033	1 430 171	474 726	610 247	345 198	X	X	X	X						
336510	Railroad rolling stock manufacturing	2003.. 1 428 803	402 501	599 416	426 885	1 463 040	475 933	622 034	365 073	1	1	1	1						
		2002.. 1 376 285	445 762	602 490	328 033	1 430 171	474 726	610 247	345 198	X	X	X	X						
3366	Ship and boat building	2003.. 2 372 198	440 238	1 294 511	637 449	2 268 370	391 874	1 247 377	629 119	2	4	3	3						
		2002.. 2 260 006	399 163	1 229 108	631 735	2 227 947	384 619	1 192 552	650 776	X	X	X	X						
33661	Ship and boat building	2003.. 2 372 198	440 238	1 294 511	637 449	2 268 370	391 874	1 247 377	629 119	2	4	3	3						
		2002.. 2 260 006	399 163	1 229 108	631 735	2 227 947	384 619	1 192 552	650 776	X	X	X	X						
336611	Ship building and repairing	2003.. 1 271 383	80 634	1 005 567	185 181	1 182 179	73 411	916 491	192 277	3	14	3	3						
		2002.. 1 145 904	63 930	897 561	184 413	1 155 259	42 094	892 046	221 119	X	X	X	X						
336612	Boat building	2003.. 1 100 815	359 603	288 944	452 268	1 086 191	318 463	330 886	436 842	2	5	7	3						
		2002.. 1 114 102	335 233	331 547	447 322	1 072 688	342 525	300 506	429 657	X	X	X	X						
3369	Other transportation equipment manufacturing	2003.. 1 440 609	364 680	398 355	677 574	1 443 903	361 696	423 412	658 795	2	2	3	3						
		2002.. 1 485 142	364 252	445 304	675 586	1 546 530	469 659	419 627	657 244	X	X	X	X						
33699	Other transportation equipment manufacturing	2003.. 1 440 609	364 680	398 355	677 574	1 443 903	361 696	423 412	658 795	2	2	3	3						
		2002.. 1 485 142	364 252	445 304	675 586	1 546 530	469 659	419 627	657 244	X	X	X	X						
336991	Motorcycle, bicycle, and parts manufacturing	2003.. 382 486	123 131	106 261	153 095	397 273	129 070	98 704	169 500	2	3	3	2						
		2002.. 396 914	129 543	98 743	168 628	441 439	211 052	92 126	138 261	X	X	X	X						
336992	Military armored vehicle, tank, and tank component manufacturing	2003.. 486 091	7 128	260 459	218 504	485 908	6 016	278 522	201 370	2	36	1	1						
		2002.. 504 884	4 729	283 831	216 324	452 651	3 857	255 098	193 696	X	X	X	X						
336999	All other transportation equipment manufacturing	2003.. 572 032	234 422	31 635	305 975	560 722	226 610	46 187	287 925	4	3	28	6						
		2002.. 583 344	229 980	62 730	290 634	652 440	254 750	72 403	325 287	X	X	X	X						
337	Furniture and related product manufacturing	2003.. 7 488 750	2 709 129	1 396 538	3 383 084	7 470 218	2 724 048	1 394 202	3 351 969	1	1	1	2						
		2002.. 7 743 076	2 806 384	1 443 172	3 493 520	7 428 879	2 646 132	1 406 549	3 376 198	X	X	X	X						
3371	Household and institutional furniture and kitchen cabinet manufacturing	2003.. 5 094 690	1 883 984	930 335	2 280 371	5 021 657	1 918 324	934 561	2 168 772	1	1	2	1						
		2002.. 5 200 824	1 973 568	967 982	2 259 274	4 880 769	1 800 785	951 654	2 128 330	X	X	X	X						
33711	Wood kitchen cabinet and counter top manufacturing	2003.. 1 096 257	229 880	273 396	592 980	952 173	210 899	253 291	487 983	2	3	2	3						
		2002.. 968 184	211 392	257 996	498 796	935 395	216 647	255 148	463 600	X	X	X	X						
337110	Wood kitchen cabinet and counter top manufacturing	2003.. 1 096 257	229 880	273 396	592 980	952 173	210 899	253 291	487 983	2	3	2	3						
		2002.. 968 184	211 392	257 996	498 796	935 395	216 647	255 148	463 600	X	X	X	X						
33712	Household and institutional furniture manufacturing	2003.. 3 998 434	1 654 104	656 939	1 687 391	4 069 485	1 707 425	681 270	1 680 790	1	1	2	1						
		2002.. 4 232 640	1 762 176	709 986	1 760 478	3 945 374	1 584 138	696 506	1 664 730	X	X	X	X						
337121	Upholstered household furniture manufacturing	2003.. 1 029 219	240 047	136 675	652 497	973 216	227 429	130 276	615 512	2	3	4	1						
		2002.. 1 007 300	224 827	144 857	637 616	904 484	198 175	143 157	563 152	X	X	X	X						
337122	Nonupholstered wood household furniture manufacturing	2003.. 2 005 429	1 092 891	343 436	569 102	2 109 816	1 141 604	379 164	589 048	1	1	4	3						
		2002.. 2 184 072	1 174 523	387 161	622 388	1 985 414	1 015 334	371 762	598 318	X	X	X	X						
337127	Institutional furniture manufacturing	2003.. 517 505	139 251	108 839	269 415	540 680	156 841	105 109	278 731	3	5	4	3						
		2002.. 551 043	158 961	105 576	286 506	540 689	154 054	107 004	279 631	X	X	X	X						
33712N	Other household nonupholstered furniture	2003.. 446 281	181 915	67 989	196 377	445 772	181 552	66 722	197 499	4	5	4	4						
		2002.. 490 225	203 865	72 392	213 968	514 787	216 575	74 583	223 629	X	X	X	X						

See footnotes at end of table.