

**Table 1. Industry Statistics on NAICS Basis With Distribution Among 1987 SIC-Based Industries: 1997**

[NAICS codes appear in bold type. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS or SIC code	Industry	Com-panies <sup>1</sup>	All estab-lish-ments <sup>2</sup>	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi-tures (\$1,000)
				Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>336419</b>	<b>Other guided missile &amp; space vehicle parts &amp; auxiliary equip mfg</b>	47	49	6 110	278 355	4 165	8 503	178 631	538 345	365 499	898 758	28 485
376900	Space vehicle equipment, n.e.c.	N	49	6 110	278 355	4 165	8 503	178 631	538 345	365 499	898 758	28 485

<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.

**Table 2. Industry Statistics for Selected States: 1997**

[States that are disclosures or with less than 100 employees are not shown. For explanation of terms, see appendixes. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E <sup>1</sup>	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expendi-tures (\$1,000)
		Total	With 20 em-ploy-ees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>336419, OTHER GUIDED MISSILE &amp; SPACE VEHICLE PARTS &amp; AUXILIARY EQUIP MFG</b>												
United States	-	49	26	6 110	278 355	4 165	8 503	178 631	538 345	365 499	898 758	28 485

\* Hawaii has no incorporated places in the sense of functioning governmental units; however, in agreement with Hawaiian law, the Bureau of the Census reports data for census designated places (CDPs) which have been designated as place equivalents. Those CDPs, only for the state of Hawaii, with 2,500 or more population are recognized.

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

**Table 3. Detailed Statistics by Industry: 1997**

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

Item	Value	Item	Value
<b>336419, OTHER GUIDED MISSILE &amp; SPACE VEHICLE PARTS &amp; AUXILIARY EQUIP MFG</b>		<b>336419, OTHER GUIDED MISSILE &amp; SPACE VEHICLE PARTS &amp; AUXILIARY EQUIP MFG—Con.</b>	
Companies <sup>1</sup> .....	number.. 47	Value added .....	\$1,000.. 538 345
All establishments .....	number.. 49	Total inventories, beginning of year .....	\$1,000.. 91 641
Establishments with 1 to 19 employees .....	number.. 23	Finished goods inventories, beginning of year .....	\$1,000.. D
Establishments with 20 to 99 employees .....	number.. 15	Work-in-process inventories, beginning of year .....	\$1,000.. 59 379
Establishments with 100 employees or more .....	number.. 11	Materials and supplies inventories, beginning of year .....	\$1,000.. D
All employees .....	number.. 6 110	Total inventories, end of year .....	\$1,000.. 98 004
Total compensation <sup>2</sup> .....	\$1,000.. 354 986	Finished goods inventories, end of year .....	\$1,000.. D
Annual payroll .....	\$1,000.. 278 355	Work-in-process inventories, end of year .....	\$1,000.. 62 781
Total fringe benefits .....	\$1,000.. 76 631	Materials and supplies inventories, end of year .....	\$1,000.. D
Production workers, average for year .....	number.. 4 165	Gross book value of total assets at beginning of year .....	\$1,000.. 176 450
Production workers on March 12 .....	number.. 4 042	Total capital expenditures (new and used) .....	\$1,000.. 28 485
Production workers on May 12 .....	number.. 4 098	Capital expenditures for buildings and other structures (new and used) .....	\$1,000.. 5 188
Production workers on August 12 .....	number.. 4 171	Capital expenditures for machinery and equipment (new and used) .....	\$1,000.. 23 297
Production workers on November 12 .....	number.. 4 349	Total retirements <sup>2</sup> .....	\$1,000.. 7 440
Production-worker hours .....	1,000.. 8 503	Gross book value of total assets at end of year .....	\$1,000.. 197 495
Production-worker wages .....	\$1,000.. 178 631	Total depreciation during year <sup>2</sup> .....	\$1,000.. 15 267
Total cost of materials .....	\$1,000.. 365 499	Total rental payments <sup>2</sup> .....	\$1,000.. 7 184
Cost of materials, parts, containers, etc., consumed .....	\$1,000.. 283 019	Buildings and other structures rental payments <sup>2</sup> .....	\$1,000.. 3 203
Cost of resales .....	\$1,000.. 2 503	Machinery and equipment rental payments <sup>2</sup> .....	\$1,000.. 3 981
Cost of fuels .....	\$1,000.. 3 016	Cost of purchased services for the repair of buildings and other structures <sup>3</sup> .....	\$1,000.. 1 713
Cost of purchased electricity .....	\$1,000.. 11 868	Response coverage ratio <sup>4</sup> .....	percent.. 87
Cost of contract work .....	\$1,000.. 65 093	Cost of purchased services for the repair of machinery and equipment <sup>3</sup> .....	\$1,000.. 2 972
Quantity of electricity purchased for heat and power .....	1,000 kWh.. 214 067	Response coverage ratio <sup>4</sup> .....	percent.. 87
Quantity of electricity generated less sold for heat and power .....	1,000 kWh.. —	Cost of purchased communications services <sup>3</sup> .....	\$1,000.. 639
Total value of shipments .....	\$1,000.. 898 758	Response coverage ratio <sup>4</sup> .....	percent.. 87
Primary products value of shipments .....	\$1,000.. 840 895	Cost of purchased legal services <sup>3</sup> .....	\$1,000.. 2 177
Secondary products value of shipments .....	\$1,000.. 52 564	Response coverage ratio <sup>4</sup> .....	percent.. 87
Total miscellaneous receipts .....	\$1,000.. 5 299	Cost of purchased accounting and bookkeeping services <sup>3</sup> .....	\$1,000.. 1 475
Value of resales .....	\$1,000.. 4 480	Response coverage ratio <sup>4</sup> .....	percent.. 87
Contract receipts .....	\$1,000.. D	Cost of purchased advertising services <sup>3</sup> .....	\$1,000.. 1 055
Other miscellaneous receipts .....	\$1,000.. D	Response coverage ratio <sup>4</sup> .....	percent.. 87
Primary products specialization ratio .....	percent.. 94	Cost of purchased software and other data processing services <sup>3</sup> .....	\$1,000.. 4 442
Value of primary products shipments made in all industries .....	\$1,000.. 2 812 223	Response coverage ratio <sup>4</sup> .....	percent.. 87
Value of primary products shipments made in this industry .....	\$1,000.. 840 895	Cost of purchased refuse removal (including hazardous waste) services <sup>3</sup> .....	\$1,000.. 186
Value of primary products shipments made in other industries .....	\$1,000.. 1 971 328	Response coverage ratio <sup>4</sup> .....	percent.. 87
Coverage ratio .....	percent.. 29		

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

<sup>2</sup>These items are collected in the ASM and estimated for the remaining establishments; therefore, the levels of estimation are higher than for other items in the table.

<sup>3</sup>Based on ASM sample data.

<sup>4</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 ASM establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

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

**Table 4. Industry Statistics by Employment Size: 1997**

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

Employment size class	E <sup>1</sup>	All establishments		All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>336419. OTHER GUIDED MISSILE &amp; SPACE VEHICLE PARTS &amp; AUXILIARY EQUIP MFG</b>												
<b>All establishments .....</b>	-	<b>49</b>	<b>26</b>	<b>6 110</b>	<b>278 355</b>	<b>4 165</b>	<b>8 503</b>	<b>178 631</b>	<b>538 345</b>	<b>365 499</b>	<b>898 758</b>	<b>28 485</b>
Establishments with 1 to 4 employees .....	9	11	-	24	867	15	25	449	1 649	967	2 635	184
Establishments with 5 to 9 employees .....	9	4	-	29	844	15	23	393	1 593	1 006	2 646	61
Establishments with 10 to 19 employees .....	9	8	-	111	4 178	65	117	2 031	7 726	4 525	12 351	259
Establishments with 20 to 49 employees .....	2	9	9	297	12 857	182	390	6 531	19 373	11 360	33 082	618
Establishments with 50 to 99 employees .....	1	6	6	351	18 682	237	548	10 153	37 520	17 415	53 015	1 509
Establishments with 100 to 249 employees .....	1	7	7	954	34 376	559	970	15 268	79 852	53 094	134 188	2 055
Establishments with 250 to 499 employees .....	-	1	1	D	D	D	D	D	D	D	D	D
Establishments with 500 to 999 employees .....	-	2	2	D	D	D	D	D	D	D	D	D
Establishments with 1,000 to 2,499 employees .....	-	-	-	-	-	-	-	-	-	-	-	-
Establishments with 2,500 employees or more .....	-	1	1	D	D	D	D	D	D	D	D	D
Administrative records <sup>2</sup> .....	9	20	-	140	5 029	80	137	2 392	9 484	5 685	15 341	352

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

<sup>2</sup>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.

**Table 5. Industry Statistics by Industry and Primary Product Class Specialization: 1997**

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

NAICS industry or product class code	Industry or primary product class	All establishments	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				
<b>336419</b>	<b>Other guided missile &amp; space vehicle parts &amp; auxiliary equip mfg .....</b>	<b>49</b>	<b>6 110</b>	<b>278 355</b>	<b>4 165</b>	<b>8 503</b>	<b>178 631</b>	<b>538 345</b>	<b>365 499</b>	<b>898 758</b>	<b>28 485</b>
3364191	Missile and space vehicle components, parts, and subassemblies .....	23	D	D	D	D	D	D	D	D	D
3364193	Research and development on missile and space vehicle parts and components, nec .....	1	D	D	D	D	D	D	D	D	D

**Table 6a. Products Statistics: 1997 and 1992**

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

NAICS product code	Product	1997				1992			
		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments		Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)			Quantity	Value (\$1,000)
<b>336419</b>	<b>Guided missile and space vehicle parts and auxiliary equipment, nec</b> .....	<b>N</b>	<b>X</b>	<b>X</b>	<b>2 812 223</b>	<b>N</b>	<b>X</b>	<b>X</b>	<b>4 179 121</b>
3364191	Missile and space vehicle components, parts, and subassemblies .....	N	X	X	2 460 015	N	X	X	3 449 463
33641911	Missile and space vehicle airframes and space capsules for U.S. Government military customers .....	N	X	X	266 391	N	X	X	N
3364191101	Missile and space vehicle airframes for U.S. Government military customers .....	8	X	X	D	8	X	X	113 916
3364191104	Missile and space capsules for U.S. Government military customers .....	3	X	X	D	10	X	X	158 241
33641912	All other missile and space vehicle components, parts, and subassemblies for U.S. Government military customers .....	N	X	X	700 341	N	X	X	N
3364191207	All other missile and space vehicle components, parts, and subassemblies for U.S. Government military customers .....	31	X	X	700 341	54	X	X	2 070 357
33641913	Missile and space vehicle components, parts, and subassemblies for U.S. Government nonmilitary customers .....	N	X	X	1 228 555	N	X	X	N
3364191311	Missile and space vehicle components, parts, and subassemblies for U.S. Government nonmilitary customers .....	15	X	X	1 228 555	16	X	X	917 418
33641914	Missile and space vehicle components, parts, and subassemblies for other customers .....	N	X	X	247 031	N	X	X	N
3364191413	Missile and space vehicle components, parts, and subassemblies for other customers .....	17	X	X	247 031	18	X	X	166 553
3364191Y	Missile and space vehicle components, parts, and subassemblies, nsk .....	N	X	X	17 697	N	X	X	N
3364191YWV	Missile and space vehicle components, parts, and subassemblies, nsk .....	N	X	X	17 697	N	X	X	22 978
3364193	Research and development on missile and space vehicle parts and components, nec .....	N	X	X	331 949	N	X	X	705 128
33641931	Research and development on missile and space vehicle parts and components, nec .....	N	X	X	330 848	N	X	X	N
3364193101	Research and development on missile and space vehicle airframes and space capsules for U.S. Government military customers .....	4	X	X	D	5	X	X	87 791
3364193104	All other research and development on missile and space vehicle parts and components for U.S. Government military customers .....	9	X	X	D	19	X	X	422 204
3364193107	Research and development on missile and space vehicle parts and components for U.S. Government nonmilitary customers .....	7	X	X	D	8	X	X	139 117
3364193111	Research and development on missile and space vehicle parts and components for other customers .....	6	X	X	D	6	X	X	38 515
3364193Y	Research and development on missile and space vehicle parts and components, nec, nsk .....	N	X	X	1 101	N	X	X	N
3364193YWV	Research and development on missile and space vehicle parts and components, nec, nsk .....	N	X	X	1 101	N	X	X	17 501
336419W	Other guided missile and space vehicle parts and auxiliary equipment, nsk .....	N	X	X	20 259	N	X	X	24 530
336419WY	Other guided missile and space vehicle parts and auxiliary equipment, nsk .....	N	X	X	20 259	N	X	X	N
336419WYWW	Other guided missile and space vehicle parts and auxiliary equipment, nsk for nonadministrative-record establishments .....	N	X	X	6 726	N	X	X	18 586
336419WYWY	Other guided missile and space vehicle parts and auxiliary equipment, nsk for administrative-record establishments .....	N	X	X	13 533	N	X	X	5 944

# Additional information is available for this item; see Appendix F.

@ Additional data are available for these codes at the aggregate U.S. level in the Current Industrial Report (CIR) series; see Appendix F for the CIR survey number and title.

\$ This product is primary to more than one industry; see Appendix F for a listing of the related product codes.

Note: For some establishments, data have been estimated from central unit values which 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: <sup>p</sup> 10 to 19 percent estimated; <sup>q</sup> 20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

**Table 6b. Product Class Shipments for Selected States: 1997 and 1992**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1997. For meaning of abbreviations and symbols, see introductory text. For explanations of terms, see appendixes]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
		1997	1992
3364191	<b>MISSILE AND SPACE VEHICLE COMPONENTS, PARTS, AND SUBASSEMBLIES</b>		
	<b>United States</b> .....	<b>2 460 015</b>	<b>3 449 463</b>
	California .....	1 266 820	1 158 727
	Illinois .....	23 591	N
	Tennessee .....	2 312	N
	Texas .....	69 649	22 841
3364193	<b>RESEARCH AND DEVELOPMENT ON MISSILE AND SPACE VEHICLE PARTS AND COMPONENTS, NEC</b>		
	<b>United States</b> .....	<b>331 949</b>	<b>705 128</b>
	California .....	55 333	166 388

# Additional information is available for this item; see Appendix F.

@ Additional data are available for these codes at the aggregate U.S. level in the Current Industrial Report (CIR) series; see Appendix F for the CIR survey number and title.

\$ This product is primary to more than one industry; see Appendix F for a listing of the related product codes.

**Table 7. Materials Consumed by Kind: 1997 and 1992**

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS material code	Material consumed	1997		1992	
		Quantity	Delivered cost (\$1,000)	Quantity	Delivered cost (\$1,000)
<b>336419</b>	<b>OTHER GUIDED MISSILE &amp; SPACE VEHICLE PARTS &amp; AUXILIARY EQUIP MFG</b>				
33641503	Guided missile and space vehicle engines and parts .....	X	—	X	3 123
33641501	Guided missile and space vehicle propulsion units and parts .....	X	—	X	D
33641900	Guided missile and space vehicle airframe parts .....	X	D	X	D
33422003	Radio communication systems and equipment, including airborne transmitters and receivers (microwave, UHF, VHF, etc.) .....	X	—	X	5 029
33451103	Navigational systems and equipment (NAV AIDS) .....	X	D	X	26 941
001900D5	Search, detection, tracking, and electronic communication systems and equipment (RADAR, SONAR, Optical) .....	X	—	X	23 388
33400025	Flight, navigational, airframe, and engine indicators, instruments, and clusters, including sensors, displays, etc. ....	X	D	X	2 771
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components .....	X	D	X	D
00190070	Resin matrix composites .....	X	D	X	N
00190071	Other matrix composites, including ceramic, carbon, metal, etc. ....	X	D	X	N
33291209	Complete mechanical, hydraulic and pneumatic subassemblies .....	X	D	X	D
00190090	Fluid power products .....	X	D	X	D
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....	X	1 164	X	4 323
33200063	Other fabricated metal products (except fluid power products and forgings) .....	X	16 132	X	11 819
33211101	Iron and steel forgings .....	X	1 579	X	N
33211201	Nonferrous forgings .....	X	D	X	N
33151001	Iron and steel castings (rough and semifinished) .....	X	D	X	D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished) .....	X	D	X	D
33152003	Other nonferrous castings (rough and semifinished) .....	X	D	X	46
33100033	Metal shapes and forms, except castings, forgings, and fabricated metal products .....	X	D	X	D
32500045	Chemicals, all types (including propellants) .....	X	D	X	1 082
33510000	Special dies, tools, die sets, jigs, and fixtures, except cutting tools for machine tools .....	X	D	X	D
00970099	All other materials and components, parts, containers, and supplies .....	X	88 884	X	86 033
00971000	Materials, ingredients, containers, and supplies, n.s.k. ....	X	34 194	X	211 278

# Additional information is available for this item; see Appendix F.

Note: For some establishments, data have been estimated from central unit values which 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.