

LARGEST SEMICONDUCTOR MANUFACTURERS

In Santa Clara Valley — Ranked by 1993 calendar year revenues

| Name, address, phone, fax (rank last year) | 1993 calendar year revenues | 1993 calendar year earnings | 1993 R&D spending | Number of employees (total) | Top-selling product description | Number of mfg. facilities | Ownership | Notable customers | Largest shareholder | Chief executive officer |
|--|-------------------------------|-----------------------------|--------------------------|-----------------------------|---|---------------------------|--------------|--|-------------------------------------|-------------------------|
| 1. Intel Corp. (1) 2200 Mission College Blvd., Santa Clara 95052 (408) 765-9089 | \$8.8 billion | \$2.3 billion | \$970 million | 5,000/29,500 | Intel 486 microprocessor, Pentium | 15 | Public | IBM, Compaq, Dell | Gordon Moore | Andrew Grove |
| 2. National Semiconductor Corp. (2) 2900 Semiconductor Drive, Santa Clara 95052 (408) 721-5000, (408) 739-9803 | \$2.2 billion | \$191 million | \$234 million | 5,000/23,400 | Semiconductors for analog and personal systems | 3 | Public | IBM, Hewlett-Packard, Apple Computer | FMR Corp. | Gilbert Amello |
| 3. Philips Semiconductors (4) 611 E. August Ave., Sunnyvale 94088 (408) 991-2000, (408) 991-2311 | \$2.2 billion | † | \$265 million | 1,200/19,000 | Semiconductors | 9 | Public | Apple Computer, Sun Microsystems, Hewlett-Packard | † | Doug Dunn |
| 4. Advanced Micro Devices Inc. (3) P.O. Box 3453, Sunnyvale 94088 (408) 723-2400 | \$1.6 billion | \$229 million | \$293 million | 3,000/12,000 | X86 microprocessors, flash memory devices | 8 | Public | Compaq, Hewlett-Packard, AT&T | † | W.J. Sanders III |
| 5. LSI Logic Corp. (5) 1551 McCarty Blvd., Milpitas 95035 (408) 433-9000, (408) 433-7715 | \$778 million | \$54 million | † | 2,200/3,400 | Designs and manufactures high-performance semiconductors | 2 | Public | Sun Microsystems, Silicon Graphics, Intel | Fidelity Management & Research | Wilfred J. Corrigan |
| 6. VLSI Technology Inc. (8) 1109 McKay Drive, San Jose 95131 (408) 434-3000, (408) 263-2571 | \$516 million | \$15.9 million | \$63.8 million | 1,300/2,500 | Supplies chip sets for Intel X86 personal computers, Apple architectures, desktop, portables, notebooks, and hand-held computers | 3 | Public | Apple Computer, Silicon Graphics, Hewlett-Packard | Intel Corp. | Alfred J. Stein |
| 7. Cirrus Logic Inc. (9) 3100 W. Warren Ave., Fremont 94538 (510) 623-8300, (510) 229-2180 | \$479 million | \$32.5 million | \$110 million | 800/1,700 | Integrated circuits that control the display of information on computer screens | 3 | Public | Compaq Peripherals, IBM, Compaq | † | Michael L. Hackworth |
| 8. Adaptec Inc. (10) 631 S. Milpitas Blvd., Milpitas 95035 (408) 945-8000, (408) 262-2533 | \$353 million | \$65 million | \$36.1 million | 970/1,900 | AHA-1542 CF: 16-bit ISA-to-GAT SCSI-2 bus master host adapter with floppy disk controller | 2 | Public | Dell, Digital Equipment, Hewlett-Packard | Fidelity Management & Research | John G. Adlar |
| 9. Cypress Semiconductor Corp. (11) 3901 N. First St., San Jose 95134 (408) 493-2600; (408) 943-2796 | \$304.5 million | \$9 million | \$50 million | \$90/1,292 | Makes and sells integrated circuits, including FPGAs, static RAMs, PROMs and other products | 4 | Public | Hewlett-Packard, Silicon Graphics, IBM | Merill Lynch Asset Management | T.J. Rodgers |
| 10. Integrated Device Technology Inc. (12) 2975 Stoner Way, Santa Clara 95054 (408) 727-8116, (408) 492-8674 | \$303 million | \$25.5 million | \$62 million | 1,750/2,560 | 256K SRAM | 3 | Public | Cisco Systems, SynOptics, Silicon Graphics | Carl Berg | Leonard C. Perham |
| 11. Xilinx Inc. (13) 2100 Logic Drive, San Jose 95124 (408) 559-7778; (408) 979-4976 | \$231 million | \$37.1 million | \$31 million | \$97/652 | User programmable logic semiconductors | † | Public | Hewlett-Packard, Sun Microsystems, SynOptics | Morgan Grautoff | Bernie Vonderschmitt |
| 12. Atmel Corp. (19) 2125 O'Neil Drive, San Jose 95131 (408) 441-0311, (408) 436-4200 | \$222 million | \$30 million | \$25.6 million | 500/1,250 | Non-volatile memory ICs | 1 | Public | Motorola, IBM, Toshiba | George Perlogos | George Perlogos |
| 13. Zilog Inc. (17) 210 E. Hacienda Ave., Campbell 95008 (408) 370-8000, (408) 370-8056 | \$203 million | \$26.8 million | \$20.8 million | 200/1,500 | Microcontrollers | † | Public | Hewlett-Packard, General Instruments, Hayes Micro | Wareburg, Pincus Capital Co. | Edgar Suck |
| 14. Linear Technology Corp. (20) 1630 McCarthy Blvd., Milpitas 95035 (408) 432-1900, (408) 434-0507 | \$175 million | \$45.3 million | \$16.3 million | 750/1,000 | Precision, high-performance operational amplifiers, supplies high-precision switching voltage regulators for portable computers and other portable electronic equipment | 2 | Public | Hewlett-Packard, Apple Computer, Ford Motor Co. | Kemper Securitos | Robert H. Swanson, Jr. |
| 15. Siliconix Inc. (14) 2201 Laurelwood Road, Santa Clara 95051 (408) 988-8000, (408) 970-3950 | \$170 million | \$7.2 million | \$13.4 million | 600/1,500 | Ultra Foot surface-mount power MOSFETs | 4 | Public | Saegate, Apple Computer, Hewlett-Packard | AEI | Richard J. Kusis |
| 16. Exar Corp. (18) 2222 Oume Drive, San Jose 95131 (408) 434-6400; (408) 943-9245 | \$161.8 million | \$15.6 million | \$11.2 million | 500/510 | Consumer electronics audio and video systems, including BBF audio chips for sound enhancement | 1 | Public | Seagate, Northern Telecom, Sony | FMR Corp. | George D. Wells |
| 17. S-MOS Systems Inc. (16) 2460 N. First St., San Jose 95131 (408) 922-0200, (408) 922-0238 | \$153 million | \$500,000 | \$14.5 million | 210/257 | Semiconductor ASICs | Contractor | Private | Adapter, IBM, Lattico Semiconductor | Solko Epson | Dan Hauer |
| 18. Raytheon Semiconductor (15) 350 Ellis St., Mountain View 94043 (415) 968-3211, (415) 968-8556 | \$150 million (approx.) | † | † | 850/900 | Video signal processing, multimedia ICs, high-speed RF communications ICs, instrumentation and test ICs | † | Raytheon Co. | † | † | Syrus Macavi |
| 19. Altera Corp. (21) 2610 Orchard Parkway, San Jose 95134 (408) 894-7000 | \$140 million | \$21.2 million | \$16.8 million | 450/631 | Programmable logic devices and development tools | 2 | Public | Apple Computer, Sun Microsystems, Adaptec | † | Rodney Smith |
| 20. Maxim Integrated Products (22) 120 S.W. Gabriel Drive, Sunnyvale 94086 (408) 737-7600, (408) 737-7194 | \$128 million (approx.) | \$20.1 million (approx.) | \$20.4 million (approx.) | 800/900 | Analog ICs | 1 | Public | † | † | John (Jack) Gifford |
| 21. S3 Inc. 2770 San Tomas Expressway Santa Clara 9505 (408) 980-5400, (408) 980-5444 | \$113 million | \$18.6 million | \$11.5 million | 150/160 | 32-bit graphics accelerator with DRAM memory interface | 5 | Public | IBM, Digital Equipment Corp., Diamond Computer Systems | Wall Street Associates | Terry Holdt |
| 22. Xicor Inc. (23) 1511 Buckley Drive, Milpitas 95035 (408) 432-8888, (408) 432-0640 | \$104 million (\$5.6 million) | † | † | 720/720 | Electrically erasable programmable memory circuits | 1 | Public | † | † | Raphael Klein |
| 23. Chels and Technologies Inc. 2650 Zanker Road, San Jose 95134 (408) 434-0600, (408) 994-2094 | \$87 million | \$12.4 million | \$15.4 million | 169/179 | LCD flat-panel controllers | 1 | Public | Apple Computer, IBM, NEC | † | James F. Stafford |
| 24. OPTI Inc. 2525 Walsh Ave., Santa Clara 95051 (408) 980-9178; (408) 980-8860 | \$85.3 million | \$940,000 | \$6.5 million | 130/150 | 32 bit core logic chipset | 0 | Public | † | Konny Liu | Konny Liu |
| 25. Sierra Semiconductor Corp. (24) 2075 N. Capitol Ave., San Jose 95132 (408) 265-8300, (408) 263-3337 | \$89 million | \$13 million | \$15.4 million | 300/350 | Communications IC's | 1 | Public | Apple Computer, General Investment | State of Wisconsin Investment Board | James V. Dillor |

NOTES:

Information was obtained from a representative of each company.

Numbers in parentheses indicate a loss. In case of a tie, companies were ranked by number of local employees.

The following companies did not respond to inquiries or declined to participate: Harris Semiconductor, International Microelectronics Products, Oak Technology, Fujitsu America, Perchem Inc. and Paradigm Technology Inc.

TalCom Semiconductor Inc. would not release revenues or earnings.

FOOTNOTES:

† Declined to provide data.

1. Raytheon Semiconductor is a division of Raytheon Co.