

SPACE NEWS

Top 50

Space Industry Manufacturing and Services

About the List

The annual *Space News* survey of the world's Top 50 space manufacturing and service companies is as much art as it is science. Most of the companies on the list are large conglomerates with businesses and revenue not related to space. For every company like Orbital Sciences, which categorizes all of its revenue as space related, there are companies like Lockheed Martin and Boeing for whom space is only a percentage of their revenue, which for all firms on the list is stated in millions of U.S. dollars.

The list is based primarily on surveys filled out by the companies or publicly available financial data filed with regulatory agencies like the U.S. Securities and Exchange Commission.

Our definition of the space business is broad. We include missile defense work, software, component manufacturing for satellites and launch vehicles, engineering services and solutions, program management and satellite ground equipment.

Despite that broad definition there are companies we do not include on the list, such as DirecTV, XM Satellite Radio and Sirius Satellite Radio, who sell directly to consumers and compete with other entertainment companies like broadcast networks, radio stations and cable companies. Many of those companies view themselves as entertainment rather than space companies and their revenue is derived mostly from subscriptions and advertising.

Another category of satellite operator, the traditional fixed satellite services operators like SES and Intelsat, are not included because we publish a separate survey of that business in June.

EchoStar Corp., which was created in January when it was spun off from Dish Network, another direct-to-home satellite television service, is in a variety of businesses whose finances are reported in a way that makes it difficult to pin down a number for the purposes of this list. EchoStar made the list in previous years because it also is a manufacturer of satellite-television set top boxes. It brought in \$249.85 million in that category in 2007, but that figure does not include some

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| Rank | Company | 2007 Space Sales | 2006 Space Sales | Total 2007 Sales | Total 2006 Sales | Comments |
|------|---|------------------|------------------|------------------|------------------|---|
| 1 | Lockheed Martin Corp. | \$10,203 | \$9,809 | \$41,900 | \$39,620 | Satellite manufacturing; launch vehicle manufacturing; satellite and rocket components; launch services; ground systems; engineering services and/or software; missile defense; imagery sales and services; and satellite communications services. |
| 2 | Boeing Co. | \$7,530 | \$8,150 | \$66,387 | \$61,530 | Satellite manufacturing; launch vehicle manufacturing; satellite and rocket components; launch services; ground systems; engineering systems and/or software; and missile defense. |
| 3 | Northrop Grumman Corp. | \$5,231 | \$4,953 | \$32,018 | \$30,113 | Satellite manufacturing; satellite and rocket components; launch services; ground systems; engineering services and/or software; missile defense; and satellite communications services. |
| 4 | EADS Astrium | \$5,210 | \$4,220 | \$5,210 | \$4,220 | EADS Astrium has three divisions: Astrium Space Transportation for space station and related hardware and Ariane 5 manufacturing; Astrium Satellites, a satellite prime contractor; and Astrium Services for telecommunications and Earth observation services. |
| 5 | Raytheon Co. | \$4,506 | \$4,190 | \$21,301 | \$20,291 | Satellite and rocket components; launch services; ground systems; engineering services and/or software; missile defense; imagery sales and services; and satellite communications services. |
| 6 | Garmin Ltd. | \$3,180 | \$1,774 | \$3,180 | \$1,774 | GPS hardware and software. |
| 7 | Thales Alenia Space | \$2,600 | \$2,180 | \$2,600 | \$2,180 | Satellite and space hardware manufacturing. |
| 8 | United Space Alliance | \$1,860 | \$1,921 | \$1,860 | \$1,921 | Launch services; ground systems; and engineering services and/or software. |
| 9 | Alliant Techsystems Inc. (ATK) | \$1,678 | \$1,385 | \$4,172 | \$3,565 | Satellite manufacturing; launch vehicle manufacturing; satellite and rocket components; launch services; engineering services and/or software; and missile defense. ATK acquired Swales Aerospace in June 2007. |
| 10 | L-3 Communications | \$1,400 | \$1,300 | \$13,961 | \$12,477 | Launch vehicle manufacturing; launch services; ground systems; engineering services and/or software; missile defense; imagery sales and services; and satellite communications services. |
| 11 | Arianespace | \$1,354 | \$1,448 | \$1,354 | \$1,448 | Launch services. |
| 12 | Computer Sciences Corp. | \$1,350 | \$1,250 | \$16,500 | \$14,700 | Ground systems; engineering services and/or software; missile defense; and satellite communications services. |
| 13 | Science Applications International Corp. (SAIC) | \$1,229 | \$1,136 | \$8,900 | \$8,300 | Satellite and rocket components; engineering services and/or software; and imagery sales and services. |
| 14 | Trimble Navigation Ltd. | \$1,220 | \$940 | \$1,220 | \$940 | GPS hardware and software. |
| 15 | Orbital Sciences Corp. | \$1,084 | \$803 | \$1,084 | \$803 | Satellite manufacturing; launch vehicle manufacturing; satellite and rocket components; launch services; ground systems; engineering services and/or software; and missile defense. |
| 16 | United Technologies Corp. | \$1,051 | \$1,060 | \$54,800 | \$47,800 | Satellite and rocket components. |
| 17 | General Dynamics Corp. | \$1,007 | \$953 | \$27,200 | \$24,063 | Satellite manufacturing; satellite and rocket components; ground systems; engineering services and/or software; missile defense; imagery sales and services; and satellite communication services. |
| 18 | Honeywell International Inc. | \$1,000 | \$1,000 | \$34,600 | \$31,600 | Satellite and rocket components; ground systems; engineering services and/or software; and missile defense. |
| 18 | ITT Corp. | \$1,000 | \$1,000 | \$9,003 | \$7,808 | Launch services; satellite components; ground systems; engineering services and/or software; missile defense; imagery sales and services; and satellite communications services. |
| 19 | Hughes Communications Inc. | \$957 | \$839 | \$971 | \$859 | Ground systems; engineering services and/or software; and satellite communication services. |
| 20 | Loral Space & Communications Inc. | \$883 | \$797 | \$883 | \$797 | Satellite manufacturing and satellite communications services. |
| 21 | Harris Corp. | \$880 | \$525 | \$5,000 | \$4,200 | Satellite and rocket components; ground systems; engineering services and/or software; missile defense; imagery sales and services; and satellite communications services. |
| 22 | Ball Aerospace & Technologies Corp. | \$721 | \$604 | \$788 | \$672 | Satellite manufacturing; satellite and rocket components; launch services; ground systems; engineering services and/or software; missile defense; and imagery sales and services. |
| 23 | BAE Systems | \$612 | \$573 | \$14,900 | \$14,000 | Satellite and rocket components; ground systems; engineering services and/or software; and missile defense. |
| 24 | GenCorp Inc. (Aerojet) | \$611 | \$501 | \$739 | \$614 | Satellite and rocket components; launch services; and missile defense. Aerojet is a division of GenCorp. The company's fiscal year runs Dec. 1 to Nov. 30. Figures are a <i>Space News</i> estimate. |
| 25 | Vizada Group | \$600 | | \$600 | | Satellite communications services. Apax Partners acquired Telenor Satellite Services and France Telecom Mobile Satellite Communications in 2007. The two companies were combined to form Vizada Group. |

