

Space Debris Removal Satellite Electronics Market - Opportunities, Share, Growth and Competitive Analysis, Forecast 2029

The Business Research Company's Space Debris Removal Satellite Electronics Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, October 7, 2025

/EINPresswire.com/ -- "Get 30% Off All Global Market Reports With Code

ONLINE30 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors

The logo for The Business Research Company, featuring a stylized bar chart with three bars of increasing height, colored in teal and dark blue. The text "The Business Research Company" is written in a serif font to the left of the chart.

The Business
Research Company

The Business Research Company

What Is The Forecast For The Space Debris Removal Satellite Electronics Market From 2024 To 2029?



The Business Research Company's Latest Report Explores Market Driver, Trends, Regional Insights - Market Sizing & Forecasts Through 2034"

*The Business Research
Company*

The [market for electronic components in space debris removal satellites](#) has seen accelerated expansion in the recent past. It is projected to surge from a valuation of \$1.22 billion in 2024 to \$1.44 billion in 2025, registering a Compound Annual Growth Rate (CAGR) of 17.8%. The past growth trajectory has been sparked by factors such as heightened demand for satellite deployment, increasing concerns over space traffic congestion, greater consciousness about the dangers of orbiting debris, growth in government-sponsored space initiatives, and a rise in private space ventures.

The market for space debris removal satellite electronics is anticipated to experience a swift expansion over the coming years. By 2029, it is projected to reach \$2.73 billion, with a compound annual growth rate (CAGR) of 17.4%. This growth during the prediction period can be ascribed to the escalating adoption of active debris removal campaigns, an upsurge in investment in orbital safety technologies, growth of commercial satellite constellations, increasing regulatory requirements for debris dispersion, and heightened focus on space sustainability. Prominent trends for the forecast period consist of progress in propulsion and maneuvering electronics,

developments in robotic seizure systems, funding for research and development, innovation in guidance and navigation systems, plus advancements in autonomous debris tracking.

Download a free sample of the space debris removal satellite electronics market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=27952&type=smp>

What Are The Core Growth Drivers Shaping The Future Of The Space Debris Removal Satellite Electronics Market?

The expectation is that the escalating rate and magnitude of satellite launches will fuel the advancement of the space debris removal satellite electronics market. The term satellite launch frequency denotes the volume of satellites sent into orbit within a specific timeframe, whereas scale characterizes the breadth and extent of the launches. The escalating demand for worldwide broadband and data connectivity contributes to the heightened rate and degree of satellite launches, leading to the expanded deployment of substantial low-Earth orbit (LEO) satellite constellations. This escalating rate and magnitude of launches bolster the requirement for space debris removal satellite electronics by contributing to the quantity of inactive or defunct satellites in orbit and necessitating advanced systems to monitor, seize, and securely eradicate debris. For instance, in September 2022, the Government Accountability Office (GAO), a US public agency, recorded 5,500 active satellites orbiting in 2022, with forecasts suggesting that a further 58,000 satellites could be launched by 2030. Hence, the growing rate and magnitude of satellite launches are steering the advancement of the space debris removal satellite electronics market.

Which Companies Are Currently Leading In The Space Debris Removal Satellite Electronics Market?

Major players in the Space Debris Removal Satellite Electronics Global Market Report 2025 include:

- Sierra Space Corporation
- Japan Aerospace Exploration Agency
- Redwire Corporation
- Astroscale Holdings Inc.
- GomSpace Group AB
- Surrey Satellite Technology Limited
- LeoLabs Inc.
- ClearSpace SA
- ExoAnalytic Solutions Inc.
- Exotrail Inc.

What Are The Major Trends That Will Shape The Space Debris Removal Satellite Electronics Market In The Future?

Leading corporations in the space debris removal satellite electronics industry are concentrating on the evolution of innovative technologies such as commercial debris inspection demonstration satellites. These advancements aim to improve situational understanding and encourage

sustainable procedures in space. This type of satellite is a spacecraft built by commercial entities to specifically monitor and investigate the debris in orbit. Astroscale Japan Inc., an orbital services company based in Japan, launched a spacecraft known as Active Debris Removal by Astroscale-Japan (ADRAS-J) in February 2024 to demonstrate this technology. The operation's objective was to exhibit Rendezvous and Proximity Operations (RPO) by nearing a non-cooperative object, the superior stage of a H-IIA rocket from Japan. The operation required the use of innovative navigation procedures because the object lacked any onboard positioning systems. Thus, Astroscale coordinated the data from ground-based tracking with sophisticated onboard sensors to effectively navigate the ADRAS-J towards its designated target.

Comparative Analysis Of Leading [Space Debris Removal Satellite Electronics Market Segments](#)

The space debris removal satellite electronics market covered in this report is segmented

- 1) By Component: Power Systems, Communication Systems, Onboard Computers, Sensors, Actuators, Other Components
- 2) By Orbit Type: Low Earth Orbit (LEO), Medium Earth Orbit (MEO), Geostationary Orbit (GEO), Other Orbit Types
- 3) By Technology: Active Debris Removal, Passive Debris Removal
- 4) By Application: Commercial, Government, Military

Subsegments:

- 1) By Power Systems: Solar Panels, Batteries, Power Management And Distribution Units (PMAD), Fuel Cells, Capacitors
- 2) By Communication Systems: Antennas, Transceivers, Modulators Or Demodulators, Radio Frequency Front-End Modules, Optical Communication Devices
- 3) By Onboard Computers: Flight Computers, Data Handling Units, Avionics Control Units, Embedded Processors, Memory Modules
- 4) By Sensors: Optical Sensors, Lidar Sensors, Radar Sensors, Thermal Sensors, Gyroscopes And Accelerometers
- 5) By Actuators: Reaction Wheels, Thrusters, Magnetic Torquers, Servo Motors, Piezoelectric Actuators
- 6) By Other Components: Thermal Control Units, Mechanical Structures And Frames, Shielding And Protective Devices, Microelectronics, Cabling And Connectors

View the full space debris removal satellite electronics market report:

<https://www.thebusinessresearchcompany.com/report/space-debris-removal-satellite-electronics-global-market-report>

Which Regions Are Dominating The Space Debris Removal Satellite Electronics Market Landscape?

In 2024, North America held the leading position in the global market for space debris removal satellite electronics. The region set to witness the most rapid growth is Asia-Pacific. In the 2025 report on space debris removal satellite electronics market, regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa are

discussed.

Browse Through More Reports Similar to the Global Space Debris Removal Satellite Electronics Market 2025, By The Business Research Company

Space Debris Monitoring And Removal Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/space-debris-monitoring-and-removal-global-market-report>

Space Debris Removal Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/space-debris-removal-global-market-report>

Space Electronics Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/space-electronics-global-market-report>

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

[The Business Research Company - www.thebusinessresearchcompany.com](https://www.thebusinessresearchcompany.com)

Follow Us On:

• LinkedIn: <https://in.linkedin.com/company/the-business-research-company>"

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/855615752>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.