

Deep Space Robotics Market to Reach USD \$2.05 Billion by 2029 at 7.9% CAGR

The Business Research Company's Deep Space Robotics Market to Reach USD \$2.05 Billion by 2029 at 7.9% CAGR

LONDON, GREATER LONDON, UNITED KINGDOM, August 25, 2025

/EINPresswire.com/ -- "Get 30% Off All Global Market Reports With Code ONLINE30 – Stay Ahead Of Trade Shifts, Macroeconomic Trends, And Industry Disruptors

The Business
Research Company

The Business Research Company



How Big Is The Deep Space Robotics Market In 2025?

The market size of deep space robotics has seen a substantial increase in the past years. The market, which is expected to surge from \$1.40 billion in 2024 to \$1.51 billion in 2025, will experience a compound annual growth rate (CAGR) of 8.2%. Factors influencing this growth during the historic period include an increment in swarm robotics, an upsurge in satellite servicing missions, an increase in robotic telescopes, a growing demand for robotic tools, a higher usage of robotic systems, and an expansion in robotic docking systems.

“

It will grow to \$2.05 billion in 2029 at a compound annual growth rate (CAGR) of 7.9%.”

The Business Research Company

The market size for deep space robotics is anticipated to witness robust expansion in the coming years, reaching a total of \$2.05 billion by 2029 with a Compound Annual Growth Rate (CAGR) of 7.9%. This progression in the projected period can be credited to several factors including the increasing adoption of robotics-as-a-service, heightened demand for robotic arms, expanding investments in space exploration activities, growing requirements for satellite deployment, and an elevated use of robots in missions tasked with sample return. Notable trends during the forecast period encompass advancements in robotics technology, artificial intelligence application, deep learning techniques, AI-propelled robots, and the use of 3D-printed components.

Download a free sample of the deep space robotics market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=25290&type=smp>

What Are The Key Driving Factors For The Growth Of The Deep Space Robotics Market?

The increasing fascination with space exploration is anticipated to stimulate the expansion of the deep space robotics market in the future. The exploration of space is the process of uncovering and studying the cosmos through the use of spacecraft, satellites, and advanced technologies, both manned and unmanned. The surge in space exploration is fueled by the desire for technological progression to tackle complicated problems and spur innovation. Deep space robots are utilized in this exploration to carry out distant scientific activities and maintenance in areas too unsafe or remote for human beings. For example, the National Aeronautics and Space Administration, a standalone agency in the U.S., projected in March 2024 that NASA's budget will climb from \$25.384 billion in 2024 to \$26.40 billion in 2027. Hence, the escalating interest in space exploration is fostering the growth of the deep space robotics market.

Who Are The Key Players In The Deep Space Robotics Industry?

Major players in the Deep Space Robotics Global Market Report 2025 include:

- Lockheed Martin Corporation
- Space Exploration Technologies Corp.
- Blue Origin LLC
- Oceaneering International Inc.
- Maxar Technologies Inc.
- Astroscale Holdings Inc.
- Dyson Co. Ltd.
- GITAI Japan Inc.
- ClearSpace SA
- Space Applications Services NV/SA

What Are The Upcoming Trends Of Deep Space Robotics Market In The Globe?

Prominent corporations in the deep space robotics industry are concentrating their efforts on creating sophisticated items like robotic lunar landers to boost exploration capabilities and assist an increasing number of commercial and scientific projects in the evolving space economy.

Autonomous spacecraft or robotic lunar landers are designed to transport payloads to the lunar surface and aid in scientific research, technology experimentation, and business missions without requiring human crew members. In an example from April 2022, Astrobotic Technology Inc., a company based in the USA that focuses on space robotics technology, sent the Peregrine Lunar Lander into space. This sophisticated robotic spacecraft is engineered for accurate payload transportation to the Moon and is equipped with cutting-edge autonomous landing technology, a reliable propulsion system, and a modular design that allows easy integration of various scientific instruments and technology demonstration payloads. The Peregrine Lunar Lander, outfitted with advanced navigation tools such as Doppler LiDAR and Terrain Relative Navigation, fortifies the role of deep space robotics in advancing lunar exploration and future scientific pursuits.

What Segments Are Covered In The Deep Space Robotics Market Report?

The deep space robotics market covered in this report is segmented –

- 1) By Solution: Remotely Operated Vehicles, Remote Manipulator System, Software, Services
- 2) By Application: Space Exploration, Satellite Servicing, Space Infrastructure Assembly
- 3) By End User: Government, Commercial

Subsegments:

- 1) By Remotely Operated Vehicles: Planetary Rovers, Lunar Rovers, Asteroid Exploration Robots, Surface Mobility Platforms, Autonomous Navigation Vehicles
- 2) By Remote Manipulator System: Robotic Arms, End Effectors, Multi-Degree Of Freedom Manipulators, Teleoperation Systems, Dexterous Hand Controllers
- 3) By Software: Autonomy And Navigation Software, Robotic Control Systems, AI-Based Path Planning Software, Robotics Simulation Software, Vision And Sensor Fusion Software
- 4) By Services: Integration And Testing Services, Operations And Maintenance Services, Mission Planning And Support Services, Data Analysis And Interpretation Services, Training And Simulation Services

View the full deep space robotics market report:

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

Which Region Is Expected To Lead The Deep Space Robotics Market By 2025?

In 2024, North America held the leading position in the deep space robotics global market report. The 2025 projection anticipates growth in this region. The report encompasses regions including Asia-Pacific, Western Europe, Eastern Europe, South America, the Middle East, and Africa.

Browse Through More Reports Similar to the Global Deep Space Robotics Market 2025, By [The Business Research Company](#)

Space Robotic Solutions Global Market Report 2025

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

Top Robotics Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/top-robotics-global-market-report>

Aerospace Robotics Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/aerospace-robotics-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

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/842816194>

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.