

Carrier Rocket Global Market Report 2025: Rapid Market Expansion Paired with Emerging Technology Trends

The Business Research Company's Carrier Rocket Global Market Report 2025 - Market Size, Trends, And Global Forecast 2025-2034

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What Is The Projected Market Size Of [The Carrier Rocket Market](#)?

In a significant development, the carrier rocket market has experienced rapid growth in recent years. Expected to grow from a valuation of \$12.46 billion in 2024 to an impressive \$13.78 billion in 2025, the market divulges a compound annual growth rate CAGR of 10.6%. This notable growth spurt can be attributed to several consequential factors such as the upsurge in communication satellites, satellite deployment for telecommunications and earth observation, as well as the proliferation of commercial space launches and satellite-based services. Moreover, the rising demand for global connectivity through satellite internet services, and the ever-vooming space tourism initiatives have also contributed significantly to this unprecedented market

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growth.

What Does The Future Hold For [The Carrier Rocket Market Size](#)?

Looking forward, the carrier rocket market size is projected to see unimpeded growth over the next few years. From an estimated figure of \$13.78 billion in 2025, the market valuation is set to ascend to a remarkable \$20.46 billion by 2029, reflecting a compound annual growth rate CAGR

of 10.4%. This predicted expansion can be primarily attributed to growth in satellite constellation deployments, burgeoning demand for space-based infrastructure and communications, increasing global interest in interplanetary missions, as well as rising global investment in space infrastructure. Furthermore, the expansion of the space tourism industry is anticipated to create significant growth opportunities in the market. During the forecast period, several major trends, including advancements in reusability, miniaturization of rocket components, smart rocket systems, enhanced payload capacities, and advanced propulsion technologies are set to shape the course of the market's progress.

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How Are Space Expeditions Influencing The Carrier Rocket Market Growth?

The continual rise in the number of space expeditions has surfaced as a key driver, providing significant thrust to the [growth of the carrier rocket market](#). These expeditions refer to journeys or missions that aim to explore outer space, usually involving spacecraft and astronauts travelling beyond Earth. Such expeditions are on the rise due to the incessant search for new resources and living spaces on other planets to solve Earth's challenges. Carrier rockets play an instrumental role in space expeditions by transporting spacecraft, satellites, and scientific instruments from Earth into space. They provide the powerful thrust needed to overcome Earth's gravity and follow a carefully planned trajectory to place payloads into orbit or on interplanetary paths. For instance, data from the Space Foundation, a US-based nonprofit organization, published in January 2024 reveals that over 2,800 satellites were deployed into orbit in 2023, marking a 23% year-over-year increase. Thus, it's apparent that the increasing frequency of space expeditions will continue to propel the growth of the carrier rocket market.

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Who Are The Key Industry Players In The Carrier Rocket Market?

The carrier rocket market continues to stay competitive with major companies including the Boeing Company, Lockheed Martin Corporation, China Aerospace Science and Technology Corporation, Northrop Grumman Corporation, and Mitsubishi Heavy Industries Ltd. Other significant contributors are Space Exploration Technologies Corp. SpaceX, Israel Aerospace Industries Ltd., Blue Origin LLC, United Launch Alliance LLC, Relativity Space Inc., Rocket Lab USA Inc., Firefly Aerospace Inc., ExPace Services Inc., Orbex Space Ltd., Virgin Orbit Inc., LandSpace Technology Corporation, Indian Space Research Organisation ISRO, Eurockot Launch Services GmbH, Orbital ATK Inc., and Skyrora Ltd.

What Emerging Trends Are Shaping The Carrier Rocket Market?

Several industry leaders are focusing on product innovations, such as solid-propellant carrier rockets, to enhance payload capacity, improve launch efficiency, and reduce costs. These aim to meet the growing demand for satellite deployment and space exploration. For instance, in

January 2025, Galactic Energy, a China-based aerospace company, successfully launched the CERES-1 Remote 16 carrier rocket from the Jiuquan Satellite Launch Center, deploying five satellites into orbit. This mission, the 16th in the Ceres-1 rocket series, underlines the platform's reliability, having deployed a total of 63 satellites and solidifying its position as one of China's leading commercial launch vehicles.

How Does The Carrier Rocket Market Break Down?

The carrier rocket market exhibits a diverse segmentation in terms of Type, Launch Frequency, Range, Launch Purpose, and Industry Vertical.

By Type, the carrier rocket market is segmented into Solid Rocket Boosters, Liquid Rocket Engines, Hybrid Rockets, and Cryogenic Rockets. By Launch Frequency, the segmentation includes Dedicated Launches, Rideshare Missions, and Regularly Scheduled Launches. In terms of Range, the segments include Low Earth Orbit LEO, Medium Earth Orbit MEO, Geostationary Earth Orbit GEO, and Other Ranges. Based on Launch Purpose, the segments are Satellite Deployment, Interplanetary Missions, Space Station Resupply, and Scientific Research. By Industry Vertical, the segments include Government Space Agencies, Private Aerospace Companies, Educational and Research Institutions, International Space Organizations, Defense Agencies, and Commercial Enterprises.

How Does The Regional Analysis Of The Carrier Rocket Market Look Like?

Regional analysis reveals that North America was the largest region in the carrier rocket market in 2024. However, the fastest-growing region in the forecast period is projected to be Asia-Pacific. The regions covered in the carrier rocket market report include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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