

Space Tourism Market Forecasts to 2030 – Global Analysis By Type (Suborbital Tourism, Orbital Tourism, Lunar Tourism, Deep Space Tourism and Other Types), Vehicle Type, Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Space Tourism Market is accounted for \$892.52 million in 2024 and is expected to reach \$1516.27 million by 2030 growing at a CAGR of 38.2% during the forecast period. Space tourism refers to the commercial activity of sending private individuals into space for recreational, leisure, or adventure purposes. It allows civilians, rather than professional astronauts, to experience space travel, including suborbital and orbital flights. Space tourism is an emerging sector, promising future opportunities such as lunar and Mars tourism.

According to a survey conducted by Cowen and UBS, approximately 20% of respondents polled by UBS stated they are 'likely to purchase a ticket on a spaceship within 1 year'.

Market Dynamics:

Driver:

Growing interest in space exploration

Inspired by space missions, Mars exploration, and lunar projects, individuals and investors seek new spaceflight experiences. Media coverage, documentaries, and billionaire-led missions by Elon Musk, Jeff Bezos, and Richard Branson have further amplified enthusiasm. This rising fascination encourages private space companies to

develop affordable and reusable spacecraft, making space travel more accessible. As space exploration advances, tourism benefits from technological innovations and expanding infrastructure, ensuring sustained growth.

Restraint:

Expensive ticket prices

Space tourism has expensive ticket prices due to high development, launch, and operational costs. Building and maintaining rockets, space capsules, and safety systems require significant investment. Limited flight frequency, specialized training, and strict regulatory requirements further drive-up costs. Additionally, insurance, fuel, and infrastructure expenses contribute to pricing. These high costs hamper market growth by restricting access to ultra-wealthy individuals, limiting mass adoption.

Opportunity:

Potential for space habitats

Concepts like space hotels, lunar bases, and orbital stations attract wealthy tourists and researchers seeking unique space experiences. Many major companies are developing commercial space stations for tourism and research. These habitats enable longer-duration trips, making space tourism more immersive and commercially viable. As technology advances and costs decline, space habitats will create new business models, increasing demand for private space travel, luxury stays, and scientific missions, further driving market expansion.

Threat:

Safety concerns

Space tourism faces major safety concerns, including rocket failures, extreme conditions, radiation exposure, and emergency preparedness. Risks of launch accidents, spacecraft malfunctions, and re-entry issues create uncertainty. The physical strain of space travel also raises health risks for passengers. These safety concerns hamper market growth by reducing consumer confidence, increasing regulatory scrutiny, and driving high insurance costs.

Covid-19 Impact:

The covid-19 pandemic temporarily slowed the space tourism market due to travel restrictions, supply chain disruptions, and economic downturns affecting investments. Companies faced delays in spacecraft development and testing, pushing back commercial launches. However, interest in space travel remained strong, with billionaires investing heavily. The pandemic highlighted the need for private space missions, boosting long-term demand. As the world recovered, space tourism rebounded.

The space capsules segment is expected to be the largest during the forecast period

The space capsules segment is expected to account for the largest market share during the forecast period. Space capsules play a crucial role in space tourism, providing a safe and comfortable environment for passengers during space travel. These capsules feature large windows, pressurized cabins, and safety systems to ensure a secure experience. Equipped with life-support systems and autonomous controls, they enable tourists to enjoy microgravity and Earth views. Reusability and advanced technology make space capsules essential for the future of commercial space tourism.

The scientific research & experiments segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the scientific research & experiments segment is predicted to witness the highest growth rate. Space tourism supports scientific research and experiments by providing commercial access to microgravity environments. Researchers use spaceflights for biomedical studies, material science, and space farming experiments. This enhances innovation in pharmaceuticals, physics, and space technology. As space tourism grows, it offers new opportunities for affordable and frequent scientific experiments, accelerating advancements in various fields.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share fuelled by increasing government support, private investments, and technological advancements. Countries like China, Japan, and India are leading the region with active space programs and private-sector involvement. Companies such as ISRO, JAXA, and private firms like iSpace are exploring commercial spaceflight opportunities. The region is poised for significant future growth in space tourism.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, driven by strong private sector investment, government support, and technological advancements. The U.S. leads with companies like SpaceX, Blue Origin, and Virgin Galactic, offering suborbital and orbital experiences. NASA's collaboration with private firms accelerates industry growth, while high-net-worth individuals drive demand. With increasing competition and innovation, North America remains at the forefront of the commercial space tourism industry.

Key players in the market

Some of the key players in Space Tourism market include SpaceX, Virgin Galactic, Blue Origin, Boeing Company, Zero 2 Infinity, Space Adventures, World View Enterprises, Axiom Space, Inc., Rocket Lab USA, Space Perspective, Airbus Group SE, Sierra Space, The Spaceship Company, Copenhagen Suborbitals, PD AeroSpace, AST SpaceMobile, Intuitive Machines, Redwire Corp., United Launch Alliance (ULA) and Arianespace.

Key Developments:

In August 2024, Blue Origin has launched its sixth crewed mission to space today from its West Texas facility. The mission, designated NS-26, marks the 26th overall flight of the New Shepard rocket-capsule system, a reusable suborbital spacecraft designed for commercial space tourism and scientific research. The flight carried six passengers, providing them with a brief but exhilarating journey beyond the Karman Line, the internationally recognized boundary of space, approximately 100 kilometers (62 miles) above Earth.

In June 2024, Virgin Galactic has collaborated with Blue Origin and Space Perspective in aspiring to make the final frontier open to all who can afford it. By developing suborbital flight experiences, these companies aim to offer civilians a chance to experience weightlessness, witness breathtaking views of Earth from space, and participate in a journey once reserved for astronauts.

Types Covered:

Suborbital Tourism

Orbital Tourism

Lunar Tourism

Deep Space Tourism

Other Types

Vehicle Types Covered:

Rockets

Spaceplanes

Space Capsules

High-Altitude Balloons

Reusable Launch Vehicles (RLVs)

Other Vehicle Types

Applications Covered:

Commercial Space Travel

Scientific Research & Experiments

Media & Entertainment

Space Sports & Recreation

Other Applications

End Users Covered:

Private Tourists

Government & Space Agencies

Corporations & Businesses

Educational & Research Institutions

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030

- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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