

Key Driver Transforming The Hypersonic Rocket Engine Market 2025: Space Tourism Interest Fuelling Market Growth

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

LONDON, GREATER LONDON, UNITED
KINGDOM, June 11, 2025

/EINPresswire.com/ -- The Business
Research Company's Latest Report
Explores Market Driver, Trends,

Regional Insights - Market Sizing & Forecasts Through 2034

The Business
Research Company

Hypersonic Rocket Engine Market Report 2025 -
Market Size, Trends, And Global Forecast 2025-2034

Clear trajectory for [growth in the Hypersonic Rocket Engine Market size](#) has been observed in recent years. It witnessed a growth from \$6.80 billion in 2024 to \$7.62 billion in 2025, clocking a

compound annual growth rate CAGR of 12.1%. Factors contributing to this growth in the historic period includes necessity of strategic military deterrence, pioneering developments in supersonic combustion technologies, investments funneled toward ballistic missile programs, missile defense initiatives, and extensive government-funded aerospace defense contracts.

“

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

”

*The Business Research
Company*

Will The Hypersonic Rocket Engine Market Maintain Its
Momentum?

The hypersonic rocket engine market size is projected to

witness an accelerated growth in the coming years. With an anticipated ascension to \$11.99 billion in 2029 at a compound annual growth rate CAGR of 12.0%, the growth in the forecast period attributes to factors such as increased defense budgets allocated towards hypersonic development, geopolitical tensions and regional arms races, demand for rapid global strike capabilities, the rise of precision-guided hypersonic weapons programs and collaborations between defense contractors and research institutions. Key trends paving the future in the

forecast period entail the miniaturization of hypersonic engine components, a shift toward reusable hypersonic platforms, innovation in hybrid propulsion systems, concentrated developments in thermal protection systems and implementation of artificial intelligence AI-enabled flight control systems.

Get Your Free Sample Market Report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=23710&type=smp>

What Role Does Space Tourism Play In The Market Growth?

The increasing interest in space tourism is anticipated to significantly contribute to accelerating the [growth of the hypersonic rocket engine market](#). Space tourism refers to the commercial excursions to space for recreational, leisure, or adventure purposes rather than traditional scientific or governmental missions. Technological advancements are making space travel more affordable and reliable by enabling innovations such as reusable rockets and advanced propulsion systems, thereby increasing the demand for space tourism. The role of hypersonic rocket engines in supporting space tourism is critical as they allow for faster and more efficient space travel, significantly reducing travel time. This aids in enhancing the feasibility of commercial space flights, making space tourism more accessible and convenient for private individuals. Case in point, in July 2023, a survey study among 10,329 U.S. adults conducted by the Pew Research Center, a US-based research organization, showed that 55% of Americans expect space tourism to become routine by 2073, with 35% expressing personal interest in space travel. This increasing interest in space tourism is a primary growth driver of the hypersonic rocket engine market.

[Which Are The Major Players In The Hypersonic Rocket Engine Market?](#)

The hypersonic rocket engine market is dominated by companies such as RTX Corporation, The Boeing Company, Lockheed Martin, Northrop Grumman, General Electric Aviation, BAE Systems, National Aeronautics and Space Administration NASA, Thales Group, L3Harris Technologies Inc., Leidos Holdings, Israel Aerospace Industries IAI, MBDA Holdings SAS MBDA, SpaceX, Kratos Defense And Security Solutions, Ursa Major Technologies, Hermeus Corporation, Venus Aerospace, Reaction Engines, Hylmpulse Technologies, and Space Engine Systems SES.

Order Your Report Now For A Swift Delivery:

<https://www.thebusinessresearchcompany.com/report/hypersonic-rocket-engine-global-market-report>

What Are The Emerging Trends In The Hypersonic Rocket Engine Market?

Major companies in the hypersonic rocket engine market are focusing on innovative initiatives like the hypersonic test launch platform to enhance performance, improve testing accuracy, and quicken the development of next-generation propulsion systems. An example of this is in

December 2024, Rocket Lab USA Inc., a US-based space technology company, launched a suborbital hypersonic mission as part of the Department of Defense's Multi-Service Advanced Capability Hypersonics Test Bed MACH-TB initiative. The mission showcased Rocket Lab's Hypersonic Accelerator Suborbital Test Electron HASTE vehicle which is designed to provide rapid, cost-effective hypersonic flight testing.

How Is The Hypersonic Rocket Engine Market Segmented?

The hypersonic rocket engine market is primarily segmented based on Type, which includes Scramjet, Ramjet, Dual-Mode Propulsion, and Other Types. Similarly, segmentation based on Application covers Military And Defense, Space Exploration, Commercial, and Other Applications. The End-User segment is bifurcated into Government, Commercial, and Other End-users. Further, sub-segments break down each type category. For instance, the Scramjet segment includes Hydrogen-Fueled Scramjets, Hydrocarbon-Fueled Scramjets, Active Cooling Scramjets, Integrally Built Airframe-Engine Designs, and the others follow suit.

Which Regions Dominate The Hypersonic Rocket Engine Market?

The hypersonic rocket engine market was dominated by North America in 2024. The fastest-growing region, however, is expected to be Asia-Pacific in the forecast period. This report covers regional insights for Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

Browse Through More Similar Reports By The Business Research Company:

Pre-Engineered Buildings Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/pre-engineered-buildings-global-market-report>

Marine Engines Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/marine-engines-global-market-report>

Engine Encapsulation Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/engine-encapsulation-global-market-report>

About The Business Research Company

Learn More About The Business Research Company. With over 15000+ reports from 27 industries covering 60+ geographies, The Business Research Company has built a reputation for offering comprehensive, data-rich research and insights. Armed with 1,500,000 datasets, the optimistic contribution of in-depth secondary research, and unique insights from industry leaders, you can get the information you need to stay ahead in the game.

Contact us at:

The Business Research Company: <https://www.thebusinessresearchcompany.com/>

Americas +1 3156230293

Asia +44 2071930708

Europe +44 2071930708

Email us at info@tbrc.info

Follow us on:

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

YouTube: https://www.youtube.com/channel/UC24_fI0rV8cR5DxICpgmyFQ

Global Market Model: <https://www.thebusinessresearchcompany.com/global-market-model>

Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/821079700>

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.