

Military Supersonic Combustion Ramjet Market to Reach \$1.76 Billion by 2029 with 11.9% CAGR

The Business Research Company's Heat Treated Steel Plates Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

LONDON, GREATER LONDON, UNITED KINGDOM, August 27, 2025

/EINPresswire.com/ -- What Is The [Military Supersonic Combustion Ramjet Market Size](#) And Growth?

The Business
Research Company

The Business Research Company

In recent times, there has been a substantial expansion in the military supersonic combustion ramjet market, with its size escalating from \$1.00 billion in 2024 to an expected \$1.12 billion in 2025, a compound annual growth rate (CAGR) of 12.2%. The growth observed during the

historical period has been influenced by factors such as increased defense expenditure, an amplified demand for precision strikes over extended ranges, geopolitical tensions, emphasis on missile upgradation programs, and incremented government engagements in research and development initiatives.



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 market for military supersonic combustion ramjets is predicted to experience significant expansion in the upcoming years, with projections estimating a growth to \$1.76 billion in 2029, signifying a compound annual growth

rate (CAGR) of 12.0%. This predicted rise during the forecast period can be linked to an increasing commitment to hypersonic missile development, a drive towards improved air defense systems, more extensive testing of hypersonic glide vehicles, priority being placed on fast prototyping and examination, as well as a move towards reusable hypersonic platforms. Key trends for the forecast period entail progression in hypersonic technology, the incorporation of scramjet engines into future missiles, miniaturization of scramjet propulsion systems, utilization of advanced materials for heat resistance, and breakthroughs in propulsion systems.

Download a free sample of the military supersonic combustion ramjet market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=25420&type=smp>

What Are The Current Leading Growth Drivers For Military Supersonic Combustion Ramjet Market?

The rise in defense budget expenditure is anticipated to fuel the expansion of the military supersonic combustion ramjet market. The term 'defense budgets' implies the funds set aside by a government for the upkeep and advancement of its military forces, covering costs for personnel, equipment, operations, and research. The boost in defense budget investment is majorly motivated by growing geopolitical pressures, with countries endeavouring to enhance military proficiency and preserve national safety amidst increasing global conflict and territorial disputes. Defense budget investment fuels the progress of military supersonic combustion ramjets, by backing advanced propulsion investigation and encouraging the development of faster, more efficient missile and aircraft systems. For example, as per the Ministry of Defence, a British government body, the UK defense budget in November 2023 climber from £52.8 billion (\$66.0 billion) in 2022/23 to £54.2 billion (\$67.8 billion) in 2023/24. Thus, the rise in defense budget investments is propelling the expansion of the military supersonic combustion ramjet market.

Which Companies Are Currently Leading In The Military Supersonic Combustion Ramjet Market?

Major players in the Military Supersonic Combustion Ramjet Global Market Report 2025 include:

- Raytheon Technologies (RTX) Corporation
- The Boeing Company
- Lockheed Martin Corporation
- Northrop Grumman Corporation
- Mitsubishi Heavy Industries Ltd.
- GE Aerospace
- BAE Systems plc
- L3Harris Technologies Inc.
- Leidos Holdings Inc.
- Aviation Industry Corporation of China

What Are The Main Trends, Positively Impacting The Growth Of Military Supersonic Combustion Ramjet Market?

Prime enterprises in the military supersonic combustion ramjet sector are concentrating on devising novel solutions such as dual-mode scramjets, geared towards improving the speed, range and maneuverability of hypersonic weapons. This type of air-breathing engines, dual-mode scramjets, function as ramjets at lesser hypersonic speeds and switch to scramjet-mode at elevated speeds, facilitating efficient propulsion over a wider speed spectrum. For example, in July 2024, General Electric Company, an American aerospace firm, triumphantly engineered and tested a hypersonic dual-mode ramjet which exhibited a three times surge in airflow relative to

earlier flight-tried hypersonic demonstrators. Developed in a span of 11 months, this pioneering propulsion system allows proficient functioning over an expanded speed range by transitioning from ramjet to scramjet mode while in mid-flight. The engine underwent a test run at GE Aerospace's high-speed propulsion facility, showcasing steady performance and hence, setting the stage for hypersonic weapons with better range, speed and maneuverability.

How Is The [Military Supersonic Combustion Ramjet Market Segmented?](#)

The military supersonic combustion ramjet market covered in this report is segmented –

- 1) By Type: Air-Breathing Ramjets, Scramjets, Hybrid Systems
- 2) By Technology: Exhaust Management Systems, Fuel Injection Technologies, Thermal Management Systems, Control Systems
- 3) By Propellant Type: Liquid Fuels, Solid Fuels, Hybrid Fuels, Alternative Fuels
- 4) By Application: Missiles, Unmanned Aerial Vehicles (UAVs), Piloted Aircraft, Defensive Systems, Research And Development Projects
- 5) By End User: Defense Contractors, Government Defense Agencies, Aerospace Manufacturers, Research Institutes

Subsegments:

- 1) By Air-Breathing Ramjets: Solid-Fuel Ramjets, Liquid-Fuel Ramjets, Ducted Rockets, Integral Ramrocket Systems
- 2) By Scramjets: Hydrogen-Fueled Scramjets, Hydrocarbon-Fueled Scramjets, Dual-Mode Scramjets, Active Cooling Scramjets
- 3) By Hybrid Systems: Turboramjet Systems, Rocket-Based Combined Cycle (RBCC), Turbine-Based Combined Cycle (TBCC), Air-Augmented Rockets

View the full military supersonic combustion ramjet market report:

<https://www.thebusinessresearchcompany.com/report/military-supersonic-combustion-ramjet-global-market-report>

Which Is The Dominating Region For The Military Supersonic Combustion Ramjet Market?

In 2024, North America led the global military supersonic combustion ramjet market according to the 2025 report, with significant growth projected. The report includes the following regions: Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

Browse Through More Reports Similar to the Global Military Supersonic Combustion Ramjet Market 2025, By [The Business Research Company](#)

Hypersonic Missiles Global Market Report 2025

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

Aircraft Engines Global Market Report 2025

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

Jet Fuel Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/jet-fuel-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

This press release can be viewed online at: <https://www.einpresswire.com/article/843174054>

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.