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Missile Seekers Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Technology Type (Active Radar, Passive Radar, Semi-Active Radar, Multi-Mode), By Launch Mode Type (Surface-to-Surface, Air-to-Surface, Surface-to-Air, Air-to-Air), By End Use Type (Military, Defense Contractors, Aerospace) ,By Region & Competition, 2021-2031F

https://marketpublishers.com/r/M64D8C7B2812EN.html
Date: January 2026
Pages: 180
Price: US$ 4,500.00 (Single User License)
ID: M64D8C7B2812EN

Abstracts

The Global Missile Seekers Market is projected to expand from USD 4.53 Billion in 2025 to USD 6.47 Billion by 2031, reflecting a compound annual growth rate of 6.12%. As the critical guidance component of precision munitions, missile seekers utilize sensors such as radar, laser, or infrared technologies to detect and track targets during the terminal flight phase. Growth in this sector is largely fueled by rising global geopolitical instability, which is prompting nations to boost defense spending and modernize aging weapon inventories. Furthermore, evolving military doctrines are increasingly prioritizing precision-guided munitions to maximize operational success while reducing collateral damage, thereby maintaining steady demand for sophisticated seeker capabilities.

Despite these positive growth factors, the industry faces substantial hurdles related to procuring raw materials and specialized microelectronics. Volatility within the supply chain frequently disrupts production timelines and complicates the integration of intricate electronic systems. According to the National Defense Industrial Association, 54 percent of defense industry respondents in 2025 identified supply chain disruptions as a major operational difficulty. These logistical constraints significantly restrict the ability of manufacturers to increase production rates to meet the mounting backlog of

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orders for missile guidance units.

Market Driver

The expansion of global defense budgets serves as the primary financial catalyst for the missile seekers market, as nations channel capital toward modernizing strategic assets with high-fidelity guidance systems. This fiscal growth allows defense contractors to expedite the development of hardened electronics and multi-spectral sensors required for terminal phase accuracy. According to the Stockholm International Peace Research Institute?s (SIPRI) 'Trends in World Military Expenditure, 2023' Fact Sheet published in April 2024, global military spending rose by 6.8 percent in real terms to reach 2443 billion USD in 2023. This increase in funding provides the necessary liquidity to procure complex sub-systems, such as radio-frequency and infrared seekers, ensuring manufacturing lines stay active to satisfy sovereign security needs.

Simultaneously, the heightened demand for precision-guided munitions establishes a direct link to increased seeker production volumes. Intense regional conflicts have exhausted national inventories, driving defense ministries to issue urgent contracts for the replenishment of strategic and tactical missiles. Highlighting this robust demand, MBDA reported a total order intake of 9.9 billion EUR in its '2023 Annual Results' press release from March 2024. This volume compels the supply chain to prioritize guidance section output, a trend further supported by long-term procurement strategies; for instance, the U.S. Department of Defense allocated 29.8 billion USD specifically for missiles and munitions in its Fiscal Year 2025 budget request to bolster deterrence capabilities.

Market Challenge

Persistent supply chain volatility, particularly regarding the acquisition of specialized microelectronics, represents a critical impediment to the Global Missile Seekers Market. Because guidance systems rely on highly specific components, manufacturers depend heavily on a small pool of qualified sub-tier suppliers. When these upstream partners face geopolitical restrictions or production bottlenecks, the entire assembly process for missile seekers is effectively stalled. This logistical fragility directly inhibits market growth by increasing lead times and preventing defense contractors from meeting the high volume of orders, which ultimately delays revenue recognition and restricts the industry's capacity to scale operations in line with global demand.

The gravity of this sourcing rigidity is emphasized by industry data pointing to the

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dangers of concentrated supply bases. According to the National Defense Industrial Association, 49 percent of private sector respondents in 2024 pinpointed reliance on sole or single-source suppliers as their most significant supply chain vulnerability. This dependency is especially acute in the missile seeker sector, where a delay from just one provider of niche processors or sensors can arrest the delivery of finished guidance units. As a result, these supply constraints effectively limit the market?s expansion rate, keeping production output below the levels necessary to satisfy the heightened defense modernization objectives of nations globally.

Market Trends

The development of high-performance seekers for hypersonic weapons is rapidly transforming the technological landscape, driven by defense agencies prioritizing munitions capable of maneuvering at speeds exceeding Mach 5. Unlike conventional ballistic systems, hypersonic glide vehicles generate plasma sheaths during atmospheric flight that interfere with standard radio-frequency guidance and communication signals. In response, manufacturers are engineering advanced sensor packages equipped with high-speed processing and hardened window materials to maintain target lock amidst extreme thermal conditions and ionization interference. This focus on next-generation survivability and speed is fueling significant public sector investment; according to USNI News in April 2025, the Pentagon's Fiscal Year 2025 budget request for hypersonic research increased to 6.9 billion USD, underscoring the vital need for these specialized guidance technologies.

Concurrently, the industry is witnessing a shift toward multi-mode seeker architectures to address the reliability limitations of single-sensor systems in contested environments. Modern engagement scenarios increasingly require munitions capable of fusing data from millimeter-wave radar, imaging infrared, and semi-active laser sensors to overcome adverse weather like heavy fog or smoke, as well as electronic jamming. This integration ensures that if one guidance mode is neutralized or obscured, the seeker can autonomously switch to an alternative sensor to preserve terminal accuracy. The industrial scale of this trend is illustrated by major procurement actions; for example, Lockheed Martin announced in an August 2025 press release that it secured a 720 million USD contract modification to produce dual-mode Joint Air-to-Ground Missiles, highlighting the operational transition toward multi-spectral guidance solutions.

Key Market Players

MBDA France SAS

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Safran S.A.

Thales S.A.

BAE Systems plc

RTX Corporation

Leonardo S.p.A.

Northrop Grumman Corporation

Analog Devices, Inc.

Lockheed Martin Corporation

General Dynamics Corporation

Report Scope

In this report, the Global Missile Seekers Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Missile Seekers Market, By Technology Type

Active Radar

Passive Radar

Semi-Active Radar

Multi-Mode

Missile Seekers Market, By Launch Mode Type

Surface-to-Surface

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India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Missile Seekers Market.

Available Customizations:

Global Missile Seekers Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

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Detailed analysis and profiling of additional market players (up to five).

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