

Military Laser Systems Market Size, Share & Industry Growth Analysis Report by Application (Weapons and Non-weapons), Technology (Solid-state Laser, Fiber Laser, Semiconductor Laser, Gas Laser, Liquid Laser, Free-electron Laser), Platform, End Use, Output Power - Global Growth Driver and Industry Forecast to 2028

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Abstracts

The military Laser systems market size is projected to grow from USD 5.0 billion in 2023 to USD 7.5 billion by 2028, at a CAGR of 8.7% during the forecast period.

"Directed Energy Weapon Segment: The largest share of the military Laser systems market by end use in 2023." The directed energy weapon segment held largest share of the military Laser systems market by end use in 2023. The defense sector witness increases in integration of directed energy weapons on military platforms such as naval ships, fighter aircraft, armoured vehicles, and satellites. In recent decades, several defense manufacturers and integrators have been researching and developing laser weapons, which are now widely are rapidly adopted ing by several defense forces to enhance their defensdefense capabilities. In March 2021, Raytheon Intelligence & Space was awarded a USD 15.5 million contract by the US Air Force Lifecycle Management Center to build and deliver an upgraded version of its high-energy laser weapon system, or HELWS. Moreover, In January 2021, Rheinmetall AG and MBDA won a contract to develop a naval laser weapons system for the German Navy. In addition, in August 2022, Lockheed Martin Corporation delivered the high-energy laser to US Navy. The high energy laser weapon was installed on warships, which is a 60KW+ laser and is officially known as High Energy Laser Integrated Optical-Dazzler and Surveillance (HELIOS).

“10–100 kW Segment: The largest segment of the military Laser systems market by output power in 2023“

The 10–100 kW segment has the largest segment of the military Laser systems market by output power in 2023. The laser systems that generate an output power of 10–100 kW are widely used in target acquisition, tracking, and destruction, as well as communication and sensing applications.

In the military, 10–100 kW laser systems are used for anti-missile systems, air defense, and ground-to-air defense, among others. By using the capabilities of medium-energy laser systems, defense systems can take down enemy missiles and aircraft with pinpoint accuracy from a distance without causing harm to nearby people or infrastructure.

“Asia Pacific to account for the second largest CAGR in the military Laser systems market during forecasted year”

The demand for military laser systems in Asia Pacific has increased in recent years due to rapid economic development, rising security threats, and increased border disputes. The military spending of China, Japan, and India has been growing in recent years due to the increased possibility of being targeted by terrorist attacks. Recent conflicts between various countries of the Asia Pacific region, such as North Korea and South Korea, Japan and China, and India and Pakistan, among others, are driving procurements and investments in armored vehicles in this region.

Break-up of profiles of primary participants in the military Laser systems market: By Company Type: Tier 1 – 35%, Tier 2 – 45%, and Tier 3 – 20% By Designation: C-Level Executives – 35%, Directors – 25%, and Others – 40% By Region: North America – 40%, Europe – 20%, Asia Pacific – 30%, Rest of the world – 10%

Prominent companies in the military Laser systems market are Northrop Grumman Corporation (US), Raytheon Technologies Corporation (US), Lockheed Martin Corporation (US), Thales Group (France), and BAE System plc (UK), among others. Research Coverage: The market study covers the military laser systems market across segments. It aims at estimating the market size and the growth potential of this market across different segments, such application, platform, technology, end use, output power and region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies. Key

benefits of buying this report: This report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall military laser systems market and its subsegments. The report covers the entire ecosystem of the military laser systems industry and will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report will also help stakeholders understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers and there are several factors that could contribute to an increase in military laser systems market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the military laser systems market

Market Development: Comprehensive information about lucrative markets – the report analyses the military laser systems market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the military laser systems market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like Northrop Grumman Corporation (US), Raytheon Technologies Corporation (US), Lockheed Martin Corporation (US), Thales Group (France), Elbit System Ltd. (Israel), and BAE System plc (UK), among others in the military laser systems market

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About

Military laser systems are used in a wide range of applications in Defense, and Security. The military laser systems market is segmented by product, technology, application, and geography. This report provides a complete analysis of the global military laser systems market for the next six years. The report provides the market size of the global military laser systems market over the next six years and also talks about the market share by region. This report analyzes the factors which drive the military laser systems market, factors which restrain the growth of the military laser systems market, and also the challenges faced in this market. This report even talk about the leading competitors in this market and it provide details on their company overview, financial positions, key products and key developments.

The primary research for this report comprises of interviews conducted with top executives like Business Development Directors, Sales Directors, Vice Presidents, Marketing Directors and Business Head in the top most companies who deal with laser systems. The respondents were asked queries through a questionnaire to gather quantitative as well as qualitative inputs on their views on the overall market, the scope, the operations, as well as the latest trends and technological developments. The data gathered from interviews was consolidated, checked for consistency and accuracy, and then collated into the MarketsandMarkets data model to arrive at the market numbers following the top down approach.

Various secondary research sources were used such as company websites, research papers, articles, journals and press releases to identify and collect information for extensive technical and commercial study on the global military laser systems market.

The global military laser systems market for application of defense, and homeland security is expected at \$XX million in 2014 and is expected to reach \$ XX million by 2020, at a CAGR of XX %. In the past decade, the market for high-power laser application has grown considerably. Laser systems are not only advancing in terms of technology, but also in terms of implementation in new application sectors. With the advent of globalization, economies have expanded and lasers are in widespread used in more industrial application.

This report analyzes the defense, and homeland security application for the military laser systems market. With respect to defense application, the sub segments considered are airborne, naval, and land based. Law and order

deployment is considered for homeland security. The analysis by geography includes application-level breakup across geographic regions such as North America, the Middle East, the Asia Pacific (APAC), Europe, and the Rest of the World (RoW).

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