

Global Laser Cutting Machines Market Size study & Forecast, by Technology (Solid-State lasers, Gas Lasers, and Semiconductor Laser), by Process (Fusion Cutting, Flame Cutting, and Sublimation Cutting), by End User (Automotive, Consumer Electronics, Defense and Aerospace, Industrial, and Others) and Regional Analysis, 2023-2030

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Abstracts

Global Laser Cutting Machines Market is valued at approximately USD 5.7 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 9.3% over the forecast period 2023-2030. Laser cutting machines are devices that utilize laser technology to precisely cut various materials, such as metal, wood, plastic, or fabric, with high accuracy and speed. The Laser Cutting Machines Market is expanding because of factors such as increasing demand for automobiles and growing adoption of laser technology. Moreover, the automotive industry's growing demand significantly influences the laser cutting machine market. Laser cutting machines play a vital role in the automotive sector, being extensively utilized for cutting, welding, and marking different parts and components such as body panels and engine parts. Its importance has progressively increased during the forecast year of 2023-2030.

According to Statista in 2023, There was a continuous growth in global annual car sales, and in 2022, the total number of cars sold reached around 67.2 million vehicles, reflecting an increase compared to the sales of approximately 66.7 million units in 2021. This indicates a positive trend in the global automotive market. The increased adoption of laser technology in manufacturing processes, such as automotive, aerospace, electronics, and medical devices, has fueled the demand for laser cutting machines. According to Statista in 2021, the global market for lasers experienced continuous

growth, and it was projected that sales would exceed USD 18 billion. In the year 2020, the global sales of lasers amounted to USD 16 billion. These figures indicate a positive trend and significant market expansion in the global laser industry. In addition, expansion of the electronics industry and advancements in fiber laser technology would create a lucrative growth opportunity. However, the high cost of laser cutting machines and technological constraints stifle market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Laser Cutting Machines Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market during the forecast period owing to the growing automotive production in the region is fueling the demand for laser cutting machines, particularly due to the need for precision cutting in industries such as automotive, aerospace, and electronics. The Asia-Pacific region is the fastest growing region during the forecast period owing to the factors such as increasing demand for highly precise and efficient manufacturing processes across various industries, including automotive, aerospace, electronics, and medical devices. This demand is driving the need for advanced technologies such as laser cutting machines that can deliver high precision and efficiency in the manufacturing processes of these industries.

Major market player included in this report are:

Amada Weld Tech Co., Ltd.

Monport Tech Inc.

Bystronic Inc.

Coherent Inc.

Epilog Lasers Inc.

Yamazaki Mazak corporation

Jenoptik Laser GmbH

Rofin-Sinar Technologies Inc.

Trumpf Laser GmbH + Co. Kg

Avid Identification Systems, Inc.

Recent Developments in the Market:

In April 2022, Monport Tech Inc. introduced the Monfort laser, a laser machine renowned for its exceptional customer service, affordability, and high-quality output. Prior to its launch, the expert laser engraving machine successfully engraved numerous valuable materials, showcasing its reliability and efficiency.

In April 2022, Bystronic Inc collaborated with Nano Lock Security to create security

solutions specifically designed for sheet and tube metal cutting, bending, and automation systems. These technological advancements aim to address various unresolved challenges in downstream industries. Consequently, the increased demand for laser cutting machines is expected, driving market growth in the foreseeable future.

In April 2022, Yamazaki Mazak corporation introduced the FG-220, a cutting machine designed to provide precise cutting of various structural materials such as round, square, rectangular, and open profiles. This innovation offered several benefits, including shorter setup time, reduced lead time, decreased operator requirements, and minimized floor space requirements.

Global Laser Cutting Machines Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Technology, Process, End-User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Solid-State lasers

Gas Lasers

Semiconductor Laser

By Process:

Fusion Cutting
Flame Cutting
Sublimation Cutting

By End-User:

Automotive
Consumer Electronics
Defense and Aerospace
Industrial
Others

By Region:**North America**

U.S.
Canada

Europe

UK
Germany
France
Spain
Italy
ROE

Asia Pacific

China
India
Japan
Australia
South Korea
RoAPAC

Latin America

Brazil
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Rest of Middle East & Africa

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