

Global Laser Welding Equipment Market Size Study, by Welding Type (Butt Weld, Edge Flange Weld, Filler Lap Weld, Overlap Weld), by Level of Automation (Automatic, Manual, Semi-Automatic), by Medium (Gas, Liquid, Solid), by Type (Heat Conduction Welding, Keyhole Welding), by End User (Automotive Industry, Electronics Industry, Jewelry Industry, Machine Tool Industry, Medical Device Industry), and Regional Forecasts 2022-2032

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Abstracts

Global Laser Welding Equipment Market is valued approximately at USD 7.00 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 9.17% over the forecast period 2024-2032. Laser welding equipment is a critical set of technologies and devices utilized to join materials by using a laser as the heat source. This equipment typically comprises a laser source, a beam delivery system, a focusing mechanism to direct the laser precisely at the welding spot, and often sophisticated controls to manipulate the laser's output. The growing integration of laser welding equipment into automated production lines enhances consistency, reduces labor costs, and drives advancements in the field. The broad applicability of laser welding equipment across diverse end-user applications, coupled with the rising adoption of automation in manufacturing industries, has significantly boosted the market. Moreover, the demand for environmentally friendly welding solutions, bolstered by supportive government initiatives, encourages the deployment of laser welding equipment.

The Global Laser Welding Equipment Market experiences notable growth propelled by key factors such as the need for precise and efficient welding processes, advancements

in laser technology, and the increasing focus on industrial automation. The automotive industry relies heavily on laser welding equipment for joining various components with precision, strength, and efficiency. Additionally, the electronics industry, requiring micro-welds for electronic components and PCBs, and the jewelry industry, emphasizing delicate precision and aesthetic quality, are substantial contributors to the market. However, high initial capital investments and operating costs, along with limitations in welding thicker and highly reflective materials, pose challenges to the market's growth. Nevertheless, the development of new laser sources with higher power and efficiency, coupled with growing investments in Industry 4.0, expands the scope of the laser welding equipment market worldwide.

The key regions considered for the global Laser Welding Equipment market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. The North America leads the market in terms of revenue, driven by the aerospace, automotive, and healthcare sectors. Furthermore, Asia Pacific expected to witness substantial growth in the laser welding equipment market, driven by increasing industrialization and manufacturing activities. The region's consumer needs revolve around affordable and scalable solutions without compromising quality. The countries in the region are primarily focus on increasing the speed, efficiency, and quality of welds, along with expanding applications for new materials and complex shapes. In addition, Europe, with its well-established automotive and aerospace industries, continues to show significant demand for laser welding equipment.

Major market players included in this report are:

Aesculap, Inc.

Allegra Orthopedics Limited

Arthrex, Inc.

BioMedtrix, LLC

Conformis, Inc.

CONMED Corporation

Corin Group

DJO, LLC

Exactech, Inc.

Globus Medical

Japan Medical Dynamic Marketing, Inc.

Johnson & Johnson Services, Inc.

LISI Group

MATERIALISE NV

Medacta International

The detailed segments and sub-segment of the market are explained below:

By Welding Type

Butt Weld

Edge Flange Weld

Filler Lap Weld

Overlap Weld

By Level of Automation

Automatic

Manual

Semi-Automatic

By Medium

Gas

Liquid

Solid

By Type

Heat Conduction Welding

Keyhole Welding

By End User

Automotive Industry

Electronics Industry

Jewelry Industry

Machine Tool Industry

Medical Device Industry

Common content for 'Report Description'

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

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Global Laser Welding Equipment Market Size Study, by Welding Type (Butt Weld, Edge Flange Weld, Filler Lap Wel...

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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