

Industrial Lasers Systems Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Report description:

The global industrial lasers systems market size reached US\$ 19.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 32.3 Billion by 2028, exhibiting a growth rate (CAGR) of 8% during 2023-2028.

Industrial lasers are a single wavelength source of high-energy light. They are mechanical tools that utilize atoms, molecules and stimulated emissions to generate a beam of light with controlled purity, size and shape. The lasers are monochromatic, uni-directional and coherent. Some of the commonly used industrial lasers include fiber, diode, carbon dioxide and solid-state lasers. They consist of a controller, filter, rotary device and galvanometer, along with a gain medium, energy source and mirrors to amplify the protons. Industrial lasers find extensive application for communication, material processing, cutting, welding, engraving, brazing, marking and lithography.

Industrial Lasers Systems Market Trends:

The increasing adoption of lasers for custom markings and engravings across industries, such as automotive, medical, aerospace, defense and packaging, is among the key factors driving the market growth. This can also be attributed to the escalating demand for automation and high-end processing in the manufacturing applications. Moreover, the widespread adoption of fiber lasers for marking and engraving on semiconductors and other electronics is providing a thrust to the market growth. Fiber lasers offer enhanced output power, optical quality and are available in both continuous and modulated wave modes. They are used for printing permanent alphanumeric details on products, such as brand names, batch numbers, manufacturer codes, bar codes, logos and dates. Additionally, various technological advancements, such as the integration of laser systems in additive manufacturing, are acting as other growth-inducing factors. Industrial lasers are also used for 3D printing of products with enhanced efficiency, customization and minimal waste generation and errors. Other factors, including rapid industrialization, along with the increasing utilization of direct-diode lasers for cutting plastics, ceramics, fiber-reinforced and organic materials, are anticipated to drive the market toward growth.

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Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global industrial lasers systems market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, application and end use industry.

Breakup by Type:

- Fiber Laser
- Solid State Laser
- CO2 Laser
- Others

Breakup by Application:

- Cutting
- Welding
- Marking
- Drilling
- Others

Breakup by End Use Industry:

- Semiconductor and Electronics
- Automotive
- Aerospace and Defense
- Medical
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain

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Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ACSYS Lasertechnik US Inc., Amonics Ltd., Coherent Inc., Han's Laser Technology Industry Group Co. Ltd, II-VI Incorporated, IPG Photonics Corporation, Jenoptik Laser GmbH, Lumibird Group, Newport Corporation (MKS Instruments Inc.), NKT Photonics A/S, Toptica Photonics AG and TRUMPF.

Key Questions Answered in This Report

1. What was the size of the global industrial lasers systems market in 2022?
2. What is the expected growth rate of the global industrial lasers systems market during 2023-2028?
3. What are the key factors driving the global industrial lasers systems market?
4. What has been the impact of COVID-19 on the global industrial lasers systems market?
5. What is the breakup of the global industrial lasers systems market based on the type?
6. What is the breakup of the global industrial lasers systems market based on the application?
7. What is the breakup of the global industrial lasers systems market based on end use industry?
8. What are the key regions in the global industrial lasers systems market?
9. Who are the key players/companies in the global industrial lasers systems market?

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