

Global Markets for Laser Systems, Components and Materials

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Abstracts

Report Scope:

This report provides a comprehensive overview of the global market for laser systems, components, and materials and a detailed analysis of the market players' products and key initiatives. Using 2023 as the base year, the report provides estimated market data for 2024, and the market values are forecast from 2024 through 2029. It also includes details about the different applications and end-use verticals for laser technology. Projected revenue values are in constant U.S. dollars that have not been adjusted for inflation.

The global market for laser systems, components and materials has been divided into the following market segments:

Type: Solid-state lasers, semiconductor lasers, gas lasers, liquid lasers.

Solid-state lasers are further segmented into fiber lasers, Nd:YAG lasers, and others (bulk crystal solid-state lasers and thin-disk lasers).

Gas lasers are further segmented into CO₂ lasers, excimer lasers, He-Ne lasers, and other gas lasers (chemical and argon lasers).

End use: Industrial, semiconductor and electronics, medical and aesthetics, telecommunications, defense and surveillance, instrumentation and scientific research, automotive, and others (retail, consumer electronics, and entertainment).

Application: Macro-processing and micro-processing.

Region: North America, Europe, Asia-Pacific, and Rest of the World.

Note: We have shortened the name of the market “global market for laser systems, components, and materials” as “global laser technology market” for the rest of the report. The name of the report title has been shortened to avoid repeated mention of the complete market name throughout the report.

Report Includes:

63 data tables and 52 additional tables

Analyses of global market trends for laser systems, components and materials, with market revenue data for 2023, estimates for 2024, and forecasts for 2025 and 2027, and projected CAGRs through 2029

Size and growth forecasts for the global market, and a corresponding market share analysis by laser type, application, end use, and region

Facts and figures pertaining to current trends, market dynamics, technological advances, regulations and standards, and the impact of macroeconomic factors

Insights derived from the Porter's Five Forces model, as well as global value/supply chain analyses, and case studies

Review of emerging trends and technologies, and new developments in the laser market

Evaluation of recent patent activity and key granted and published patents

Overview of sustainability trends and ESG developments, with emphasis on consumer attitudes, and the ESG scores and practices of leading companies

Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activity and a venture funding outlook

Profiles of leading companies, including TRUMPF, IPG Photonics Corp.,

Coherent Corp., Han's Laser Technology Industry Group Co. Ltd., and
Lumentum Operations LLC.

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COHERENT CORP.

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EUROLASER GMBH

HAMAMATSU PHOTONICS K.K.

HAN'S LASER TECHNOLOGY INDUSTRY GROUP CO. LTD.

IPG PHOTONICS CORP.

JENOPTIK AG

LASERLINE GMBH

LASER STAR TECHNOLOGIES

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