

# Global Lasers for Quantum Information Market Growth 2026-2032

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## Abstracts

The global Lasers for Quantum Information market size is predicted to grow from US\$ 109 million in 2025 to US\$ 2793 million in 2032; it is expected to grow at a CAGR of 60.2% from 2026 to 2032.

Lasers play a crucial role in quantum science and technology, enabling a variety of groundbreaking experiments and applications. Currently quantum technology mainly covers Quantum Computing, Quantum Communication, and Quantum Sensing and Metrology. In Quantum Computing, lasers are mainly used in Qubit Manipulation, and Quantum Gates. In Quantum Communication, lasers are mainly used in Quantum Key Distribution (QKD), and Quantum Repeaters. In Quantum Sensing and Metrology, lasers are mainly used in Atomic Clocks, Gravitational Wave Detection, and Magnetometry.

Lasers are indispensable tools in the field of quantum science and technology. They enable the precise control and measurement required for advancing quantum computing, communication, sensing, and fundamental physics experiments. As laser technology continues to improve, it will further enhance the capabilities and applications of quantum technologies.

United States market for Lasers for Quantum Information is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Lasers for Quantum Information is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Lasers for Quantum Information is estimated to increase from US\$

million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Lasers for Quantum Information players cover M Squared Lasers, TOPTICA Photonics AG, MKS (Spectra-Physics), Coherent, nLIGHT, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Lasers for Quantum Information Industry Forecast" looks at past sales and reviews total world Lasers for Quantum Information sales in 2025, providing a comprehensive analysis by region and market sector of projected Lasers for Quantum Information sales for 2026 through 2032. With Lasers for Quantum Information sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Lasers for Quantum Information industry.

This Insight Report provides a comprehensive analysis of the global Lasers for Quantum Information landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Lasers for Quantum Information portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Lasers for Quantum Information market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Lasers for Quantum Information and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Lasers for Quantum Information.

This report presents a comprehensive overview, market shares, and growth opportunities of Lasers for Quantum Information market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Diode Lasers

Fiber Lasers

Solid-State Lasers

Gas Lasers

Others

Segmentation by Application:

Quantum Computing

Quantum Communication

Quantum Sensing and Metrology

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

M Squared Lasers

TOPTICA Photonics AG

MKS (Spectra-Physics)

Coherent

nLIGHT

Stable Laser Systems

OEwaves

PicoQuant

Edinburgh Instruments Ltd

Vescent Photonics

Lumentum Operations LLC

CrystaLaser

Sacher Lasertechnik

Photodigm

Shanghai Precilasers

Beijing UniQuanta Technology

Hamamatsu

Thorlabs, Inc.

TRUMPF

NKT Photonics

IPG Photonics

Vixar Inc

#### Key Questions Addressed in this Report

What is the 10-year outlook for the global Lasers for Quantum Information market?

What factors are driving Lasers for Quantum Information market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Lasers for Quantum Information market opportunities vary by end market size?

How does Lasers for Quantum Information break out by Type, by Application?

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