

Global High Power Picosecond Infrared Laser Market Growth 2026-2032

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Abstracts

The global High Power Picosecond Infrared Laser market size is predicted to grow from US\$ 53.43 million in 2025 to US\$ 74.91 million in 2032; it is expected to grow at a CAGR of 5.0% from 2026 to 2032.

A high-power picosecond laser is a light source that can emit high-intensity pulsed laser in an extremely short time (picosecond level). By generating extremely high power and short pulse width, this laser can perform precise processing on the surface of materials, reducing the thermal impact on surrounding materials. Therefore, it is widely used in fields such as automobiles, semiconductor manufacturing, and scientific research.

United States market for High Power Picosecond Infrared Laser 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 High Power Picosecond Infrared Laser 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 High Power Picosecond Infrared Laser is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key High Power Picosecond Infrared Laser players cover EKSPLA, PicoQuant, Laser 2000 (UK) Limited, Lumentum, BWT Beijing Ltd., 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 'High Power Picosecond Infrared Laser Industry Forecast' looks at past sales and reviews total world High

Power Picosecond Infrared Laser sales in 2025, providing a comprehensive analysis by region and market sector of projected High Power Picosecond Infrared Laser sales for 2026 through 2032. With High Power Picosecond Infrared Laser sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High Power Picosecond Infrared Laser industry.

This Insight Report provides a comprehensive analysis of the global High Power Picosecond Infrared Laser 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 High Power Picosecond Infrared Laser portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High Power Picosecond Infrared Laser market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High Power Picosecond Infrared Laser 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 High Power Picosecond Infrared Laser.

This report presents a comprehensive overview, market shares, and growth opportunities of High Power Picosecond Infrared Laser market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Power: 30W-50W

Power: 50W-80W

Power: 80W or More

Segmentation by Application:

Electronics and Semiconductors

Automotive

Scientific Research

Other

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.

EKSPLA

PicoQuant

Laser 2000 (UK) Limited

Lumentum

BWT Beijing Ltd.

ALPHALAS GmbH

Photonics Industries International

RFH Laser

Onefive GmbH

Belin

IPG Photonics

Amplitude

Key Questions Addressed in this Report

What is the 10-year outlook for the global High Power Picosecond Infrared Laser market?

What factors are driving High Power Picosecond Infrared Laser market growth, globally and by region?

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

How do High Power Picosecond Infrared Laser market opportunities vary by end market size?

How does High Power Picosecond Infrared Laser break out by Type, by Application?

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