

Global Nd:YAG Solid-State Lasers Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Nd:YAG Solid-State Lasers market size was valued at US\$ 544 million in 2025 and is forecast to a readjusted size of US\$ 833 million by 2032 with a CAGR of 6.3% during review period.

Solid-state laser uses solid crystal lattices as an active medium instead of gas mixtures. The crystal lattice of the laser's active medium is doped with particular rare earth elements. For example, Nd:YAG (the most widespread type of solid-state laser) uses neodymium-doped yttrium-aluminum garnet crystals.

This report is a detailed and comprehensive analysis for global Nd:YAG Solid-State Lasers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Nd:YAG Solid-State Lasers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Nd:YAG Solid-State Lasers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Nd:YAG Solid-State Lasers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Nd:YAG Solid-State Lasers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Nd:YAG Solid-State Lasers

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Nd:YAG Solid-State Lasers market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Coherent, Lumentum, ESi, Fotona, Lumibird (Quintel), Amplitude Laser Group, H?BNER Photonics, Laser Quantum, Newport, SOC Showa Optronics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Nd:YAG Solid-State Lasers market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Pulsed YAG Lasers

Continuous Wave YAG Lasers

Market segment by Application

Medical & Healthcare

Industrial Applications

Military & Defense

Others

Major players covered

Coherent

Lumentum

ESi

Fotona

Lumibird (Quantel)

Amplitude Laser Group

H?BNER Photonics

Laser Quantum

Newport

SOC Showa Optronics

CrystaLaser

CryLaS GmbH

DDC Technologies

Aunion Tech

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Nd:YAG Solid-State Lasers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Nd:YAG Solid-State Lasers, with price, sales quantity, revenue, and global market share of Nd:YAG Solid-State Lasers from 2021 to 2026.

Chapter 3, the Nd:YAG Solid-State Lasers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Nd:YAG Solid-State Lasers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales

market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Nd:YAG Solid-State Lasers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Nd:YAG Solid-State Lasers.

Chapter 14 and 15, to describe Nd:YAG Solid-State Lasers sales channel, distributors, customers, research findings and conclusion.

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