

Ultrafast Lasers Market, Global Outlook and Forecast 2022-2028

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Abstracts

Ultrafast lasers are ultra-short pulse of light with an electromagnetic pulse whose time duration is of the order of a picosecond or less. These pulses have a broadband optical range, and can be produced by mode-locked oscillators.

Ultrafast lasers are commonly referred to as ultrafast events with an amplification of ultra-short pulses which always requires the technique of high pulse amplification, in order to avoid damage to the gain medium of the amplifier. In research & development department, advances in materials and laser configurations promise to open up a variety of new applications outside of the technology's core area of industrial micromachining.

This report contains market size and forecasts of Ultrafast Lasers in global, including the following market information:

Global Ultrafast Lasers Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Ultrafast Lasers Market Sales, 2017-2022, 2023-2028, (Units)

Global top five Ultrafast Lasers companies in 2021 (%)

The global Ultrafast Lasers market was valued at 811.6 million in 2021 and is projected to reach US\$ 1593.1 million by 2028, at a CAGR of 10.1% during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Titanium-sapphire Lasers Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Ultrafast Lasers include Trumpf, Coherent, IPG Photonics, Newport, Amplitude Laser Group, Laser Quantum, Lumentum, IMRA America and NKT Photonics, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Ultrafast Lasers manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Ultrafast Lasers Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Ultrafast Lasers Market Segment Percentages, by Type, 2021 (%)

Titanium-sapphire Lasers

Diode-pumped Lasers

Fiber Lasers

Mode-locked Diode Lasers

Global Ultrafast Lasers Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Ultrafast Lasers Market Segment Percentages, by Application, 2021 (%)

Material Processing

Biomedical

Spectroscopy and Imaging

Science and Research

Others

Global Ultrafast Lasers Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (Units)

Global Ultrafast Lasers Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Ultrafast Lasers revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Ultrafast Lasers revenues share in global market, 2021 (%)

Key companies Ultrafast Lasers sales in global market, 2017-2022 (Estimated), (Units)

Key companies Ultrafast Lasers sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Trumpf

Coherent

IPG Photonics

Newport

Amplitude Laser Group

Laser Quantum

Lumentum

IMRA America

NKT Photonics

Clark-MXR

EKSPLA

Huaray Precision Laser

Yangtze Soton Laser (YSL)

Bellin Laser

NPI Lasers

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