

Ti-doped Sapphire Crystal Market, Global Outlook and Forecast 2022-2028

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Abstracts

Titanium-doped sapphire is an optically pumped, solid-state laser material with an indefinitely long stability and useful life. It is the most widely used crystal for wavelength tunable lasers. And it is a leading material in the field of femtosecond pulse lasers. Ti:sapphire laser crystals combine the excellent thermal, physical and optical properties of sapphire with the broadest tunable range of any known material. Laser output can be generated over the entire spectrum from 650 nm to 1100 nm. Frequency doubling the output provides tunability across the blue-green region of the visible spectrum.

This report contains market size and forecasts of Ti-doped Sapphire Crystal in global, including the following market information:

Global Ti-doped Sapphire Crystal Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Ti-doped Sapphire Crystal Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Ti-doped Sapphire Crystal companies in 2021 (%)

The global Ti-doped Sapphire Crystal market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

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

2mm-10mm Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Ti-doped Sapphire Crystal include EKSMA Optics, Red Optronics, 4Lasers, Newlight Photonics Inc., Roditi International Corporation Ltd., CASTECH INC, Core Optronics Co.,Ltd, Crystech Inc. and DayOptics, Inc., etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Ti-doped Sapphire Crystal 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 Ti-doped Sapphire Crystal Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Ti-doped Sapphire Crystal Market Segment Percentages, by Type, 2021 (%)

2mm-10mm

10mm-20mm

20mm-30mm

30mm-40mm

40mm-50mm

Other

Global Ti-doped Sapphire Crystal Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Ti-doped Sapphire Crystal Market Segment Percentages, by Application, 2021 (%)

Ti:sapphire Laser Rod

Ti:sapphire Laser Slab

Global Ti-doped Sapphire Crystal Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (K Units)

Global Ti-doped Sapphire Crystal 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 Ti-doped Sapphire Crystal revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Ti-doped Sapphire Crystal revenues share in global market, 2021 (%)

Key companies Ti-doped Sapphire Crystal sales in global market, 2017-2022
(Estimated), (K Units)

Key companies Ti-doped Sapphire Crystal sales share in global market, 2021 (%)

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

EKSMA Optics

Red Optronics

4Lasers

Newlight Photonics Inc.

Roditi International Corporation Ltd.

CASTECH INC

Core Optronics Co.,Ltd

Crystech Inc.

DayOptics, Inc.

Nanjing Crylink Photonics Co., Ltd

MetaLaser Inc.

WTS Photonics Technology Co.?Ltd

Stanford Advanced Materials

Molecular Technology (MolTech) GmbH

SurfaceNet

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