

Global Ti-doped Sapphire Crystal Market Research Report 2023

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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.

According to QYResearch's new survey, global Ti-doped Sapphire Crystal market is projected to reach US\$ million in 2029, increasing from US\$ million in 2022, with the CAGR of % during the period of 2023 to 2029.

Key manufacturers engaged in the Ti-doped Sapphire Crystal industry 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. Among those manufacturers, the top 3 players guaranteed % supply worldwide in 2022.

For production bases, global Ti-doped Sapphire Crystal production is dominated by and . The two regions contributed to % production share globally in 2022.

When refers to consumption region, % volume of Ti-doped Sapphire Crystal were sold to North America, Europe and Asia Pacific in 2022. Moreover, China, plays a key role in the whole Ti-doped Sapphire Crystal market and estimated to attract more attentions from industry insiders and investors.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Ti-doped Sapphire Crystal market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

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

Segment by Type

2mm-10mm

10mm-20mm

20mm-30mm

30mm-40mm

40mm-50mm

Other

Segment by Application

Ti:sapphire Laser Rod

Ti:sapphire Laser Slab

Production by Region

North America

Europe

China

Japan

Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Ti-doped Sapphire Crystal report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

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