

Periodically Poled Crystals Market, Global Outlook and Forecast 2022-2028

<https://marketpublishers.com/r/P8B340D536D1EN.html>

Date: June 2022

Pages: 78

Price: US\$ 3,250.00 (Single User License)

ID: P8B340D536D1EN

Abstracts

Periodically Poled Crystals Are Frequently Used As Nonlinear Optical Materials. They Are More Efficient at Second-harmonic Generation Than Crystals of the Same Material Without Periodic Structure. the Material for the Crystals is Usually a Wide Band Gap Inorganic Crystal, or in Some Cases a Suitable Organic Polymer. Some Popular Materials in Current Use Are Potassium Titanyl Phosphate, Lithium Niobate, and Lithium Tantalate. periodic Poling is a Formation of Layers with Alternate Orientation in a Birefringent Material. the Domains Are Regularly Spaced, with Period in a Multiple of the Desired Wavelength of Operation. the Structure is Designed to Achieve Quasi-phase-matching (QPM) in the Material.

This report contains market size and forecasts of Periodically Poled Crystals in global, including the following market information:

Global Periodically Poled Crystals Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Periodically Poled Crystals Market Sales, 2017-2022, 2023-2028, (Kg)

Global top five Periodically Poled Crystals companies in 2021 (%)

The global Periodically Poled Crystals market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

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

PPLN Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Periodically Poled Crystals include ALPHALAS, Photonic Solutions, Covesion, G and H, GWU-Lasertechnik, SRICO, Opton Laser, Deltronic Crystal Industries and HC Photonics and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Periodically Poled Crystals 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 Periodically Poled Crystals Market, by Material, 2017-2022, 2023-2028 (\$ Millions) & (Kg)

Global Periodically Poled Crystals Market Segment Percentages, by Material, 2021 (%)

PPLN

PPKTP

PPLT

Global Periodically Poled Crystals Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (Kg)

Global Periodically Poled Crystals Market Segment Percentages, by Application, 2021 (%)

Medical Industry

Consumer Electronic

Defense Industry

Others

Global Periodically Poled Crystals Market, By Region and Country, 2017-2022,
2023-2028 (\$ Millions) & (Kg)

Global Periodically Poled Crystals 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 Periodically Poled Crystals revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Periodically Poled Crystals revenues share in global market, 2021 (%)

Key companies Periodically Poled Crystals sales in global market, 2017-2022
(Estimated), (Kg)

Key companies Periodically Poled Crystals sales share in global market, 2021 (%)

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

ALPHALAS

Photonic Solutions

Covesion

G and H

GWU-Lasertechnik

SRICO

Opton Laser

Deltronic Crystal Industries

HC Photonics

Hangzhou Shalom Electro-optics Technology

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