

Global BGO Crystal Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global BGO Crystal market size is expected to reach \$ 36 million by 2029, rising at a market growth of 2.8% CAGR during the forecast period (2023-2029).

The global key BGO Crystal manufacturers include Saint-Gobain, Shanghai SICCAS, NIIC SB RAS, AMCRYS, Epic Crystal, etc. The top 5 took about 75% of the total share.

North America is the largest market, with a share of about 25%, followed by Europe and Asia-Pacific, both have a share close to 20 percent.

Based on the application, Nuclear Medicine (PET & CT, etc.) using constitutes the largest application market for BGO Crystal. The consumption of Nuclear Medicine (PET & CT, etc.) accounting for about 55% of the global share. And in terms of product, Bridgman Method is the largest segment, with a share of over 55%.

The BGO Crystal market covers Czochralski Method, Bridgman Method, Other, etc. The typical players include Saint-Gobain, NIIC SB RAS, AMCRYS, Rexion Components, Shanghai SICCAS, Epic Crystal, Dynasil, Scionix, etc.

Bismuth germinate $\text{Bi}_4\text{Ge}_3\text{O}_{12}$ commonly abbreviated as BGO, is the crystalline form of an inorganic oxide with cubic eulytine structure, colorless, transparent, and insoluble in water. When exposed to radiation of high-energy particles, or other sources, such as gamma rays and x-rays, it emits a green fluorescent light. The light has a peak wavelength of 480nm, with its high stopping power, high scintillation efficiency, good energy resolution, and non-hygroscopes. BGO is a good scintillation material and has found a wide range of applications in high energy physics, nuclear physics, space physics, nuclear medicine, geological prospecting, and other industries.

This report studies the global BGO Crystal production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for BGO Crystal, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of BGO Crystal that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global BGO Crystal total production and demand, 2018-2029, (Kg)

Global BGO Crystal total production value, 2018-2029, (USD Million)

Global BGO Crystal production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Kg)

Global BGO Crystal consumption by region & country, CAGR, 2018-2029 & (Kg)

U.S. VS China: BGO Crystal domestic production, consumption, key domestic manufacturers and share

Global BGO Crystal production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Kg)

Global BGO Crystal production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Kg)

Global BGO Crystal production by Application production, value, CAGR, 2018-2029, (USD Million) & (Kg).

This reports profiles key players in the global BGO Crystal market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Shanghai SICCAS, Luxium Solutions, NIIC SB RAS, AMCRYS, Hilger Crystals (Dynasil), Crytur, Epic Crystal, Scionix and Shanghai EBO, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World BGO Crystal market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kg) and average price (US\$/Kg) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global BGO Crystal Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global BGO Crystal Market, Segmentation by Type

Czochralski Method

Bridgman Method

Global BGO Crystal Market, Segmentation by Application

Nuclear Medicine (PET & CT, etc.)

High Energy Physics

Industrial Application

Military & Defense

Other

Companies Profiled:

Shanghai SICCAS

Luxium Solutions

NIIC SB RAS

AMCRYS

Hilger Crystals (Dynasil)

Crytur

Epic Crystal

Scionix

Shanghai EBO

Rexon Components

Nanjing Crylink

Meishan Boya Advanced Materials

Key Questions Answered

1. How big is the global BGO Crystal market?
2. What is the demand of the global BGO Crystal market?
3. What is the year over year growth of the global BGO Crystal market?
4. What is the production and production value of the global BGO Crystal market?
5. Who are the key producers in the global BGO Crystal market?
6. What are the growth factors driving the market demand?

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