

Global Bismuth Germanate (BGO) Scintillator Market Growth 2026-2032

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Abstracts

The global Bismuth Germanate (BGO) Scintillator market size is predicted to grow from US\$ 19.63 million in 2025 to US\$ 24.84 million in 2032; it is expected to grow at a CAGR of 3.5% from 2026 to 2032.

BGO Scintillator or Bismuth Germanate ($\text{Bi}_4\text{Ge}_3\text{O}_{12}$) Scintillator is one of the most widely used scintillation materials of the oxide type. It has high atomic number and density values. BGO is mechanically strong enough, rugged, non-hygroscopicity, and has no cleavage. BGO has an extreme high density of 7.13 g/cm³ and has a high Z value which makes these crystals very suitable for the detection of natural radioactivity (U, Th, K).

United States market for Bismuth Germanate (BGO) Scintillator is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Bismuth Germanate (BGO) Scintillator is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Bismuth Germanate (BGO) Scintillator is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Bismuth Germanate (BGO) Scintillator players cover Luxium Solutions (Saint-Gobain Crystals), Meishan Boya Advanced Materials, Shanghai SICCAS, Crytur, Scionix, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Bismuth Germanate (BGO) Scintillator Industry Forecast" looks at past sales and reviews total world Bismuth Germanate (BGO) Scintillator sales in 2025, providing a comprehensive analysis by region and market sector of projected Bismuth Germanate (BGO) Scintillator sales for 2026 through 2032. With Bismuth Germanate (BGO) Scintillator sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Bismuth Germanate (BGO) Scintillator industry.

This Insight Report provides a comprehensive analysis of the global Bismuth Germanate (BGO) Scintillator landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Bismuth Germanate (BGO) Scintillator portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Bismuth Germanate (BGO) Scintillator market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Bismuth Germanate (BGO) Scintillator and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Bismuth Germanate (BGO) Scintillator.

This report presents a comprehensive overview, market shares, and growth opportunities of Bismuth Germanate (BGO) Scintillator market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Czochralski Method

Bridgman Method

Segmentation by Application:

Medical & Healthcare

Industrial Applications

Military & Defense

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Luxium Solutions (Saint-Gobain Crystals)

Meishan Boya Advanced Materials

Shanghai SICCAS

Crytur

Scionix

Rexon Components

EPIC Crystal

Shanghai EBO

Beijing Scitlion Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Bismuth Germanate (BGO) Scintillator market?

What factors are driving Bismuth Germanate (BGO) Scintillator market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Bismuth Germanate (BGO) Scintillator market opportunities vary by end market size?

How does Bismuth Germanate (BGO) Scintillator break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Bismuth Germanate (BGO) Scintillator Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Bismuth Germanate (BGO) Scintillator by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Bismuth Germanate (BGO) Scintillator by Country/Region, 2021, 2025 & 2032

2.2 Bismuth Germanate (BGO) Scintillator Segment by Type

- 2.2.1 Czochralski Method
- 2.2.2 Bridgman Method
- 2.2.3 Bismuth Germanate (BGO) Scintillator Sales by Type
 - 2.2.3.1 Global Bismuth Germanate (BGO) Scintillator Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Bismuth Germanate (BGO) Scintillator Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Bismuth Germanate (BGO) Scintillator Sale Price by Type (2021-2026)

2.3 Bismuth Germanate (BGO) Scintillator Segment by Application

- 2.3.1 Medical & Healthcare
- 2.3.2 Industrial Applications
- 2.3.3 Military & Defense
- 2.3.4 Others
- 2.3.5 Bismuth Germanate (BGO) Scintillator Sales by Application
 - 2.3.5.1 Global Bismuth Germanate (BGO) Scintillator Sale Market Share by Application (2021-2026)
 - 2.3.5.2 Global Bismuth Germanate (BGO) Scintillator Revenue and Market Share by

Application (2021-2026)

2.3.5.3 Global Bismuth Germanate (BGO) Scintillator Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Bismuth Germanate (BGO) Scintillator Breakdown Data by Company

3.1.1 Global Bismuth Germanate (BGO) Scintillator Annual Sales by Company (2021-2026)

3.1.2 Global Bismuth Germanate (BGO) Scintillator Sales Market Share by Company (2021-2026)

3.2 Global Bismuth Germanate (BGO) Scintillator Annual Revenue by Company (2021-2026)

3.2.1 Global Bismuth Germanate (BGO) Scintillator Revenue by Company (2021-2026)

3.2.2 Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Company (2021-2026)

3.3 Global Bismuth Germanate (BGO) Scintillator Sale Price by Company

3.4 Key Manufacturers Bismuth Germanate (BGO) Scintillator Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Bismuth Germanate (BGO) Scintillator Product Location Distribution

3.4.2 Players Bismuth Germanate (BGO) Scintillator Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR BISMUTH GERMANATE (BGO) SCINTILLATOR BY GEOGRAPHIC REGION

4.1 World Historic Bismuth Germanate (BGO) Scintillator Market Size by Geographic Region (2021-2026)

4.1.1 Global Bismuth Germanate (BGO) Scintillator Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Bismuth Germanate (BGO) Scintillator Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Bismuth Germanate (BGO) Scintillator Market Size by

Country/Region (2021-2026)

4.2.1 Global Bismuth Germanate (BGO) Scintillator Annual Sales by Country/Region (2021-2026)

4.2.2 Global Bismuth Germanate (BGO) Scintillator Annual Revenue by Country/Region (2021-2026)

4.3 Americas Bismuth Germanate (BGO) Scintillator Sales Growth

4.4 APAC Bismuth Germanate (BGO) Scintillator Sales Growth

4.5 Europe Bismuth Germanate (BGO) Scintillator Sales Growth

4.6 Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales Growth

5 AMERICAS

5.1 Americas Bismuth Germanate (BGO) Scintillator Sales by Country

5.1.1 Americas Bismuth Germanate (BGO) Scintillator Sales by Country (2021-2026)

5.1.2 Americas Bismuth Germanate (BGO) Scintillator Revenue by Country (2021-2026)

5.2 Americas Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026)

5.3 Americas Bismuth Germanate (BGO) Scintillator Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Bismuth Germanate (BGO) Scintillator Sales by Region

6.1.1 APAC Bismuth Germanate (BGO) Scintillator Sales by Region (2021-2026)

6.1.2 APAC Bismuth Germanate (BGO) Scintillator Revenue by Region (2021-2026)

6.2 APAC Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026)

6.3 APAC Bismuth Germanate (BGO) Scintillator Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Bismuth Germanate (BGO) Scintillator by Country

7.1.1 Europe Bismuth Germanate (BGO) Scintillator Sales by Country (2021-2026)

7.1.2 Europe Bismuth Germanate (BGO) Scintillator Revenue by Country (2021-2026)

7.2 Europe Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026)

7.3 Europe Bismuth Germanate (BGO) Scintillator Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Bismuth Germanate (BGO) Scintillator by Country

8.1.1 Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales by Country (2021-2026)

8.1.2 Middle East & Africa Bismuth Germanate (BGO) Scintillator Revenue by Country (2021-2026)

8.2 Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026)

8.3 Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Bismuth Germanate (BGO) Scintillator

10.3 Manufacturing Process Analysis of Bismuth Germanate (BGO) Scintillator

10.4 Industry Chain Structure of Bismuth Germanate (BGO) Scintillator

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Bismuth Germanate (BGO) Scintillator Distributors

11.3 Bismuth Germanate (BGO) Scintillator Customer

12 WORLD FORECAST REVIEW FOR BISMUTH GERMANATE (BGO) SCINTILLATOR BY GEOGRAPHIC REGION

12.1 Global Bismuth Germanate (BGO) Scintillator Market Size Forecast by Region

12.1.1 Global Bismuth Germanate (BGO) Scintillator Forecast by Region (2027-2032)

12.1.2 Global Bismuth Germanate (BGO) Scintillator Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Bismuth Germanate (BGO) Scintillator Forecast by Type (2027-2032)

12.7 Global Bismuth Germanate (BGO) Scintillator Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Luxium Solutions (Saint-Gobain Crystals)

13.1.1 Luxium Solutions (Saint-Gobain Crystals) Company Information

13.1.2 Luxium Solutions (Saint-Gobain Crystals) Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

13.1.3 Luxium Solutions (Saint-Gobain Crystals) Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Luxium Solutions (Saint-Gobain Crystals) Main Business Overview

13.1.5 Luxium Solutions (Saint-Gobain Crystals) Latest Developments

13.2 Meishan Boya Advanced Materials

13.2.1 Meishan Boya Advanced Materials Company Information

13.2.2 Meishan Boya Advanced Materials Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

13.2.3 Meishan Boya Advanced Materials Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Meishan Boya Advanced Materials Main Business Overview

13.2.5 Meishan Boya Advanced Materials Latest Developments

13.3 Shanghai SICCAS

13.3.1 Shanghai SICCAS Company Information

13.3.2 Shanghai SICCAS Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

13.3.3 Shanghai SICCAS Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Shanghai SICCAS Main Business Overview

13.3.5 Shanghai SICCAS Latest Developments

13.4 Crytur

13.4.1 Crytur Company Information

13.4.2 Crytur Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

13.4.3 Crytur Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Crytur Main Business Overview

13.4.5 Crytur Latest Developments

13.5 Scionix

13.5.1 Scionix Company Information

13.5.2 Scionix Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

13.5.3 Scionix Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Scionix Main Business Overview

13.5.5 Scionix Latest Developments

13.6 Rexon Components

13.6.1 Rexon Components Company Information

13.6.2 Rexon Components Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

13.6.3 Rexon Components Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 Rexon Components Main Business Overview

13.6.5 Rexon Components Latest Developments

13.7 EPIC Crystal

13.7.1 EPIC Crystal Company Information

13.7.2 EPIC Crystal Bismuth Germanate (BGO) Scintillator Product Portfolios and

Specifications

13.7.3 EPIC Crystal Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 EPIC Crystal Main Business Overview

13.7.5 EPIC Crystal Latest Developments

13.8 Shanghai EBO

13.8.1 Shanghai EBO Company Information

13.8.2 Shanghai EBO Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

13.8.3 Shanghai EBO Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Shanghai EBO Main Business Overview

13.8.5 Shanghai EBO Latest Developments

13.9 Beijing Scitlion Technology

13.9.1 Beijing Scitlion Technology Company Information

13.9.2 Beijing Scitlion Technology Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

13.9.3 Beijing Scitlion Technology Bismuth Germanate (BGO) Scintillator Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Beijing Scitlion Technology Main Business Overview

13.9.5 Beijing Scitlion Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Bismuth Germanate (BGO) Scintillator Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Bismuth Germanate (BGO) Scintillator Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Czochralski Method

Table 4. Major Players of Bridgman Method

Table 5. Global Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026) & (kg)

Table 6. Global Bismuth Germanate (BGO) Scintillator Sales Market Share by Type (2021-2026)

Table 7. Global Bismuth Germanate (BGO) Scintillator Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Type (2021-2026)

Table 9. Global Bismuth Germanate (BGO) Scintillator Sale Price by Type (2021-2026) & (US\$/kg)

Table 10. Global Bismuth Germanate (BGO) Scintillator Sale by Application (2021-2026) & (kg)

Table 11. Global Bismuth Germanate (BGO) Scintillator Sale Market Share by Application (2021-2026)

Table 12. Global Bismuth Germanate (BGO) Scintillator Revenue by Application (2021-2026) & (\$ million)

Table 13. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Application (2021-2026)

Table 14. Global Bismuth Germanate (BGO) Scintillator Sale Price by Application (2021-2026) & (US\$/kg)

Table 15. Global Bismuth Germanate (BGO) Scintillator Sales by Company (2021-2026) & (kg)

Table 16. Global Bismuth Germanate (BGO) Scintillator Sales Market Share by Company (2021-2026)

Table 17. Global Bismuth Germanate (BGO) Scintillator Revenue by Company (2021-2026) & (\$ millions)

Table 18. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Company (2021-2026)

Table 19. Global Bismuth Germanate (BGO) Scintillator Sale Price by Company

(2021-2026) & (US\$/kg)

Table 20. Key Manufacturers Bismuth Germanate (BGO) Scintillator Producing Area Distribution and Sales Area

Table 21. Players Bismuth Germanate (BGO) Scintillator Products Offered

Table 22. Bismuth Germanate (BGO) Scintillator Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Bismuth Germanate (BGO) Scintillator Sales by Geographic Region (2021-2026) & (kg)

Table 26. Global Bismuth Germanate (BGO) Scintillator Sales Market Share Geographic Region (2021-2026)

Table 27. Global Bismuth Germanate (BGO) Scintillator Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 28. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Geographic Region (2021-2026)

Table 29. Global Bismuth Germanate (BGO) Scintillator Sales by Country/Region (2021-2026) & (kg)

Table 30. Global Bismuth Germanate (BGO) Scintillator Sales Market Share by Country/Region (2021-2026)

Table 31. Global Bismuth Germanate (BGO) Scintillator Revenue by Country/Region (2021-2026) & (\$ millions)

Table 32. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Country/Region (2021-2026)

Table 33. Americas Bismuth Germanate (BGO) Scintillator Sales by Country (2021-2026) & (kg)

Table 34. Americas Bismuth Germanate (BGO) Scintillator Sales Market Share by Country (2021-2026)

Table 35. Americas Bismuth Germanate (BGO) Scintillator Revenue by Country (2021-2026) & (\$ millions)

Table 36. Americas Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026) & (kg)

Table 37. Americas Bismuth Germanate (BGO) Scintillator Sales by Application (2021-2026) & (kg)

Table 38. APAC Bismuth Germanate (BGO) Scintillator Sales by Region (2021-2026) & (kg)

Table 39. APAC Bismuth Germanate (BGO) Scintillator Sales Market Share by Region (2021-2026)

Table 40. APAC Bismuth Germanate (BGO) Scintillator Revenue by Region

(2021-2026) & (\$ millions)

Table 41. APAC Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026) & (kg)

Table 42. APAC Bismuth Germanate (BGO) Scintillator Sales by Application (2021-2026) & (kg)

Table 43. Europe Bismuth Germanate (BGO) Scintillator Sales by Country (2021-2026) & (kg)

Table 44. Europe Bismuth Germanate (BGO) Scintillator Revenue by Country (2021-2026) & (\$ millions)

Table 45. Europe Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026) & (kg)

Table 46. Europe Bismuth Germanate (BGO) Scintillator Sales by Application (2021-2026) & (kg)

Table 47. Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales by Country (2021-2026) & (kg)

Table 48. Middle East & Africa Bismuth Germanate (BGO) Scintillator Revenue Market Share by Country (2021-2026)

Table 49. Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales by Type (2021-2026) & (kg)

Table 50. Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales by Application (2021-2026) & (kg)

Table 51. Key Market Drivers & Growth Opportunities of Bismuth Germanate (BGO) Scintillator

Table 52. Key Market Challenges & Risks of Bismuth Germanate (BGO) Scintillator

Table 53. Key Industry Trends of Bismuth Germanate (BGO) Scintillator

Table 54. Bismuth Germanate (BGO) Scintillator Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Bismuth Germanate (BGO) Scintillator Distributors List

Table 57. Bismuth Germanate (BGO) Scintillator Customer List

Table 58. Global Bismuth Germanate (BGO) Scintillator Sales Forecast by Region (2027-2032) & (kg)

Table 59. Global Bismuth Germanate (BGO) Scintillator Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 60. Americas Bismuth Germanate (BGO) Scintillator Sales Forecast by Country (2027-2032) & (kg)

Table 61. Americas Bismuth Germanate (BGO) Scintillator Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 62. APAC Bismuth Germanate (BGO) Scintillator Sales Forecast by Region (2027-2032) & (kg)

Table 63. APAC Bismuth Germanate (BGO) Scintillator Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 64. Europe Bismuth Germanate (BGO) Scintillator Sales Forecast by Country (2027-2032) & (kg)

Table 65. Europe Bismuth Germanate (BGO) Scintillator Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 66. Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales Forecast by Country (2027-2032) & (kg)

Table 67. Middle East & Africa Bismuth Germanate (BGO) Scintillator Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 68. Global Bismuth Germanate (BGO) Scintillator Sales Forecast by Type (2027-2032) & (kg)

Table 69. Global Bismuth Germanate (BGO) Scintillator Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 70. Global Bismuth Germanate (BGO) Scintillator Sales Forecast by Application (2027-2032) & (kg)

Table 71. Global Bismuth Germanate (BGO) Scintillator Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 72. Luxium Solutions (Saint-Gobain Crystals) Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 73. Luxium Solutions (Saint-Gobain Crystals) Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

Table 74. Luxium Solutions (Saint-Gobain Crystals) Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 75. Luxium Solutions (Saint-Gobain Crystals) Main Business

Table 76. Luxium Solutions (Saint-Gobain Crystals) Latest Developments

Table 77. Meishan Boya Advanced Materials Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 78. Meishan Boya Advanced Materials Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

Table 79. Meishan Boya Advanced Materials Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 80. Meishan Boya Advanced Materials Main Business

Table 81. Meishan Boya Advanced Materials Latest Developments

Table 82. Shanghai SICCAS Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 83. Shanghai SICCAS Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

Table 84. Shanghai SICCAS Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 85. Shanghai SICCAS Main Business

Table 86. Shanghai SICCAS Latest Developments

Table 87. Crytur Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 88. Crytur Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

Table 89. Crytur Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 90. Crytur Main Business

Table 91. Crytur Latest Developments

Table 92. Scionix Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 93. Scionix Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

Table 94. Scionix Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 95. Scionix Main Business

Table 96. Scionix Latest Developments

Table 97. Rexion Components Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 98. Rexion Components Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

Table 99. Rexion Components Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 100. Rexion Components Main Business

Table 101. Rexion Components Latest Developments

Table 102. EPIC Crystal Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 103. EPIC Crystal Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

Table 104. EPIC Crystal Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 105. EPIC Crystal Main Business

Table 106. EPIC Crystal Latest Developments

Table 107. Shanghai EBO Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 108. Shanghai EBO Bismuth Germanate (BGO) Scintillator Product Portfolios and

Specifications

Table 109. Shanghai EBO Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 110. Shanghai EBO Main Business

Table 111. Shanghai EBO Latest Developments

Table 112. Beijing Scitlion Technology Basic Information, Bismuth Germanate (BGO) Scintillator Manufacturing Base, Sales Area and Its Competitors

Table 113. Beijing Scitlion Technology Bismuth Germanate (BGO) Scintillator Product Portfolios and Specifications

Table 114. Beijing Scitlion Technology Bismuth Germanate (BGO) Scintillator Sales (kg), Revenue (\$ Million), Price (US\$/kg) and Gross Margin (2021-2026)

Table 115. Beijing Scitlion Technology Main Business

Table 116. Beijing Scitlion Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Bismuth Germanate (BGO) Scintillator
- Figure 2. Bismuth Germanate (BGO) Scintillator Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Bismuth Germanate (BGO) Scintillator Sales Growth Rate 2021-2032 (kg)
- Figure 7. Global Bismuth Germanate (BGO) Scintillator Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Bismuth Germanate (BGO) Scintillator Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Bismuth Germanate (BGO) Scintillator Sales Market Share by Country/Region (2025)
- Figure 10. Bismuth Germanate (BGO) Scintillator Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Czochralski Method
- Figure 12. Product Picture of Bridgman Method
- Figure 13. Global Bismuth Germanate (BGO) Scintillator Sales Market Share by Type in 2026
- Figure 14. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Type (2021-2026)
- Figure 15. Bismuth Germanate (BGO) Scintillator Consumed in Medical & Healthcare
- Figure 16. Global Bismuth Germanate (BGO) Scintillator Market: Medical & Healthcare (2021-2026) & (kg)
- Figure 17. Bismuth Germanate (BGO) Scintillator Consumed in Industrial Applications
- Figure 18. Global Bismuth Germanate (BGO) Scintillator Market: Industrial Applications (2021-2026) & (kg)
- Figure 19. Bismuth Germanate (BGO) Scintillator Consumed in Military & Defense
- Figure 20. Global Bismuth Germanate (BGO) Scintillator Market: Military & Defense (2021-2026) & (kg)
- Figure 21. Bismuth Germanate (BGO) Scintillator Consumed in Others
- Figure 22. Global Bismuth Germanate (BGO) Scintillator Market: Others (2021-2026) & (kg)
- Figure 23. Global Bismuth Germanate (BGO) Scintillator Sale Market Share by Application (2025)

Figure 24. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Application in 2026

Figure 25. Bismuth Germanate (BGO) Scintillator Sales by Company in 2026 (kg)

Figure 26. Global Bismuth Germanate (BGO) Scintillator Sales Market Share by Company in 2026

Figure 27. Bismuth Germanate (BGO) Scintillator Revenue by Company in 2026 (\$ millions)

Figure 28. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Company in 2026

Figure 29. Global Bismuth Germanate (BGO) Scintillator Sales Market Share by Geographic Region (2021-2026)

Figure 30. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share by Geographic Region in 2026

Figure 31. Americas Bismuth Germanate (BGO) Scintillator Sales 2021-2026 (kg)

Figure 32. Americas Bismuth Germanate (BGO) Scintillator Revenue 2021-2026 (\$ millions)

Figure 33. APAC Bismuth Germanate (BGO) Scintillator Sales 2021-2026 (kg)

Figure 34. APAC Bismuth Germanate (BGO) Scintillator Revenue 2021-2026 (\$ millions)

Figure 35. Europe Bismuth Germanate (BGO) Scintillator Sales 2021-2026 (kg)

Figure 36. Europe Bismuth Germanate (BGO) Scintillator Revenue 2021-2026 (\$ millions)

Figure 37. Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales 2021-2026 (kg)

Figure 38. Middle East & Africa Bismuth Germanate (BGO) Scintillator Revenue 2021-2026 (\$ millions)

Figure 39. Americas Bismuth Germanate (BGO) Scintillator Sales Market Share by Country in 2026

Figure 40. Americas Bismuth Germanate (BGO) Scintillator Revenue Market Share by Country (2021-2026)

Figure 41. Americas Bismuth Germanate (BGO) Scintillator Sales Market Share by Type (2021-2026)

Figure 42. Americas Bismuth Germanate (BGO) Scintillator Sales Market Share by Application (2021-2026)

Figure 43. United States Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 44. Canada Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 45. Mexico Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026

(\$ millions)

Figure 46. Brazil Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 47. APAC Bismuth Germanate (BGO) Scintillator Sales Market Share by Region in 2026

Figure 48. APAC Bismuth Germanate (BGO) Scintillator Revenue Market Share by Region (2021-2026)

Figure 49. APAC Bismuth Germanate (BGO) Scintillator Sales Market Share by Type (2021-2026)

Figure 50. APAC Bismuth Germanate (BGO) Scintillator Sales Market Share by Application (2021-2026)

Figure 51. China Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 52. Japan Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 53. South Korea Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 54. Southeast Asia Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 55. India Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 56. Australia Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 57. China Taiwan Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 58. Europe Bismuth Germanate (BGO) Scintillator Sales Market Share by Country in 2026

Figure 59. Europe Bismuth Germanate (BGO) Scintillator Revenue Market Share by Country (2021-2026)

Figure 60. Europe Bismuth Germanate (BGO) Scintillator Sales Market Share by Type (2021-2026)

Figure 61. Europe Bismuth Germanate (BGO) Scintillator Sales Market Share by Application (2021-2026)

Figure 62. Germany Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 63. France Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 64. UK Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 65. Italy Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 66. Russia Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 67. Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales Market Share by Country (2021-2026)

Figure 68. Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales Market Share by Type (2021-2026)

Figure 69. Middle East & Africa Bismuth Germanate (BGO) Scintillator Sales Market Share by Application (2021-2026)

Figure 70. Egypt Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 71. South Africa Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 72. Israel Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 73. Turkey Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 74. GCC Countries Bismuth Germanate (BGO) Scintillator Revenue Growth 2021-2026 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Bismuth Germanate (BGO) Scintillator in 2026

Figure 76. Manufacturing Process Analysis of Bismuth Germanate (BGO) Scintillator

Figure 77. Industry Chain Structure of Bismuth Germanate (BGO) Scintillator

Figure 78. Channels of Distribution

Figure 79. Global Bismuth Germanate (BGO) Scintillator Sales Market Forecast by Region (2027-2032)

Figure 80. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share Forecast by Region (2027-2032)

Figure 81. Global Bismuth Germanate (BGO) Scintillator Sales Market Share Forecast by Type (2027-2032)

Figure 82. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share Forecast by Type (2027-2032)

Figure 83. Global Bismuth Germanate (BGO) Scintillator Sales Market Share Forecast by Application (2027-2032)

Figure 84. Global Bismuth Germanate (BGO) Scintillator Revenue Market Share Forecast by Application (2027-2032)

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