

Global Lanthanum Bromide Crystal Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Lanthanum Bromide Crystal market size is expected to reach \$ 129 million by 2032, rising at a market growth of 6.1% CAGR during the forecast period (2026-2032).

Lanthanum bromide crystal is a high-performance inorganic scintillator used for gamma-ray and X-ray detection. It offers high light output, rapid decay, substantially better energy resolution than NaI:TI, and high count-rate capability, making it suitable for radionuclide identification, nuclear-physics research, nuclear medicine, oil-well logging, and environmental monitoring. In 2025, global Lanthanum Bromide Crystal sales reached approximately 3.0 tons, with an average price of 28 US\$/g.

Border inspection, nuclear-material safeguards, and portable radionuclide-identification devices require better energy resolution than NaI:TI in compact packages, while nuclear-physics experiments and high-count-rate gamma spectroscopy support demand for larger and faster crystals. Improved SiPM performance facilitates compact, low-voltage, and array-based LaBr₃ detectors for medical imaging, field monitoring, and mobile instruments. Oil-well logging and reactor monitoring also provide stable demand. High-purity feedstock costs, severe hygroscopicity, intrinsic background, long growth cycles for large crystals, and the limited number of suppliers capable of stable commercial production maintain high technical barriers and premium pricing.

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

This report is a detailed and comprehensive analysis of the world market for Lanthanum Bromide Crystal and provides market size (US\$ million) and Year-over-Year (YoY)

Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Lanthanum Bromide Crystal that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Lanthanum Bromide Crystal total production and demand, 2021-2032, (Tons)

Global Lanthanum Bromide Crystal total production value, 2021-2032, (USD Million)

Global Lanthanum Bromide Crystal production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Lanthanum Bromide Crystal consumption by region & country, CAGR, 2021-2032 & (Tons)

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

Global Lanthanum Bromide Crystal production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Lanthanum Bromide Crystal production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Lanthanum Bromide Crystal production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Lanthanum Bromide 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 Luxium Solutions, Epic Crystal, Kinheng Crystal Material, Halide Crylink, Shape Optics Technologies, OST Photonics, Beijing Glass Research Institute, Hebei Huakailong Technology, Bravais Crystals, Epic Crystal, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

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

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/g) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Lanthanum Bromide Crystal Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Lanthanum Bromide Crystal Market, Segmentation by Type:

Standard LaBr₃:Ce

Enhanced LaBr₃:Ce,Sr

Others

Global Lanthanum Bromide Crystal Market, Segmentation by Geometry:

Cylindrical

Rectangular or Cubic

Others

Global Lanthanum Bromide Crystal Market, Segmentation by Size Class:

Below 1-Inch Equivalent

1?2-Inch Equivalent

Above 2 Inch Equivalent

Global Lanthanum Bromide Crystal Market, Segmentation by Application:

Nuclear Physics Research

Medical Imaging

Security Screening

Environmental Monitoring

Others

Companies Profiled:

Luxium Solutions

Epic Crystal

Kinheng Crystal Material

Halide Crylink

Shape Optics Technologies

OST Photonics

Beijing Glass Research Institute

Hebei Huakailong Technology

Bravais Crystals

Epic Crystal

Kinheng Crystal Material

Key Questions Answered:

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

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