

Global Bulk Metallic Glass (BMG) Market 2023-2029

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Abstracts

Due to their disordered atomic structure and unique glass-to-supercooled liquid transition, BMGs represent a new class of structural and functional materials with extraordinary properties, including extreme strength at low temperatures and high flexibility at high temperatures, as well as a number of superior chemical and physical properties. Bulk metallic glasses are promising candidates for MEMS, NEMS (nanoelectromechanical systems), biomedical implants, precision microparts, surgical tools, and micromachines applications. According to the latest data, the market size of the global bulk metallic glass sector is expected to rise by USD 345.5 million with a CAGR of 7.3% by the end of 2029.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global bulk metallic glass market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, technology, end user, and region. The global market for bulk metallic glass can be segmented by product: metal-metal, metal-metalloid. In 2022, the metal-metal segment made up the largest share of revenue generated by the bulk metallic glass market. Bulk metallic glass market is further segmented by technology: 3D printing, casting, thermoplastic forming. The casting segment was the largest contributor to the global bulk metallic glass market in 2022. Based on end user, the bulk metallic glass market is segmented into: aerospace and military, biomedical, consumer electronics, sporting goods, others. The consumer electronics segment is estimated to account for the largest share of the global bulk metallic glass market. On the basis of region, the bulk metallic glass market also can be

divided into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. Asia-Pacific held the largest share of the global bulk metallic glass market in 2022 and is anticipated to hold its share during the forecast period.

Market Segmentation

By product: metal-metal, metal-metalloid

By technology: 3D printing, casting, thermoplastic forming

By end user: aerospace and military, biomedical, consumer electronics, sporting goods, others

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report explores the recent developments and profiles of key vendors in the Global Bulk Metallic Glass Market, including Advanced Technology & Materials Co., Ltd., Dongguan EONTEC. Co., Ltd., Dongguan Yihao Metal Technology Co., Ltd., Epson Atmix Corporation, Eutectix LLC/Materion Corporation, Exmet AB, Glassimetal Technology Inc, Heraeus Holding GmbH, Liquidmetal Technologies Inc., Orbray Co., Ltd. (Adamant Namiki Precision Jewel Co., Ltd.), Peshing New Metal Material (Changzhou) Co., Ltd., Proterial, Ltd. (Formerly Hitachi Metals, Ltd.), PX GROUP SA, Qingdao Yunlu Advanced Materials Technology Co., Ltd., RS Acciai S.r.l., Supercool Metals, LLC, Usha Amorphous Metals Ltd. (UAML), Zhejiang Zhaojing Electrical Technology Co., Ltd., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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Scope of the Report

To analyze and forecast the market size of the global bulk metallic glass market.

To classify and forecast the global bulk metallic glass market based on product, technology, end user, region.

To identify drivers and challenges for the global bulk metallic glass market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global bulk metallic glass market.

To identify and analyze the profile of leading players operating in the global bulk metallic glass market.

Why Choose This Report

Gain a reliable outlook of the global bulk metallic glass market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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Others

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Europe

Asia-Pacific

MEA (Middle East and Africa)

Latin America

PART 9. KEY COMPANIES

Advanced Technology & Materials Co., Ltd.

Dongguan EONTEC. Co., Ltd.

Dongguan Yihao Metal Technology Co., Ltd.

Epson Atmix Corporation

Eutectix LLC/Materion Corporation

Exmet AB

Glassimetal Technology Inc

Heraeus Holding GmbH

Liquidmetal Technologies Inc.

Orbray Co., Ltd. (Adamant Namiki Precision Jewel Co., Ltd.)

Peshing New Metal Material (Changzhou) Co., Ltd.

Proterial, Ltd. (Formerly Hitachi Metals, Ltd.)

PX GROUP SA

Qingdao Yunlu Advanced Materials Technology Co., Ltd.

RS Acciai S.r.l.

Supercool Metals, LLC

Usha Amorphous Metals Ltd. (UAML)

Zhejiang Zhaojing Electrical Technology Co., Ltd.

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