

Global Magnesium Diboride Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/G367EFAF8AA4EN.html>

Date: June 2025

Pages: 90

Price: US\$ 3,480.00 (Single User License)

ID: G367EFAF8AA4EN

Abstracts

According to our (Global Info Research) latest study, the global Magnesium Diboride market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

Magnesium Diboride (MgB_2) is the binary compound with the highest critical temperature known so far (about 39K). This material was first synthesized and its structure confirmed in 1953, but its superconducting properties were not discovered until 2001.

The world's major manufacturers of magnesium diboride are Materion Corporation, Stanford Advanced Materials, ESPI, Reade, Baoding Pengda, Luoyang Tongrun and Shanghai Longjin Metallic.

This report is a detailed and comprehensive analysis for global Magnesium Diboride market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Magnesium Diboride market size and forecasts, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2020-2031

Global Magnesium Diboride market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2020-2031

Global Magnesium Diboride market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2020-2031

Global Magnesium Diboride market shares of main players, shipments in revenue (\$ Million), sales quantity (Kg), and ASP (USD/Kg), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Magnesium Diboride

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Magnesium Diboride market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Materion Corporation, Stanford Advanced Materials, ESPI, READE, Baoding Pengda, Luoyang Tongrun, Shanghai Longjin Metallic, etc.

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

Market Segmentation

Magnesium Diboride market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Superconducting Wire

Superconducting Thin Films

Market segment by Application

Medical

Energy

Transportation

Science

Major players covered

Materion Corporation

Stanford Advanced Materials

ESPI

READE

Baoding Pengda

Luoyang Tongrun

Shanghai Longjin Metallic

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Magnesium Diboride product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Magnesium Diboride, with price, sales quantity, revenue, and global market share of Magnesium Diboride from 2020 to 2025.

Chapter 3, the Magnesium Diboride competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Magnesium Diboride breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Magnesium Diboride market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Magnesium Diboride.

Chapter 14 and 15, to describe Magnesium Diboride sales channel, distributors,

customers, research findings and conclusion.

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