

# Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Magnesium Diboride Market 2018, Forecast to 2023

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## Abstracts

Magnesium Diboride ( $\text{MgB}_2$ ) 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.

### SCOPE OF THE REPORT:

This report focuses on the Magnesium Diboride in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. Superconductivity is a wonderful phenomenon, but its today's applications are still confined to MRI-NMR, R&D, current leads and 'big physics' 2G HTS material is expected to modify soon this scenario, but its complexity and limitation is currently delaying its positive effect on the industrial market of superconductivity.  $\text{MgB}_2$  is of particular interest because of its feature (low material cost, simple crystalline structure, ease of manufacture larger coherence length, lower anisotropy), which make  $\text{MgB}_2$  competitive with HTS. The  $\text{MgB}_2$  superconductor, therefore, has significant potential for industrial applications.

Superior technologies can be better meeting the needs of downstream markets and Promote tremendous price decline. In the near future, more and more manufacturers enter the magnesium diboride research and production team, driving magnesium diboride industry.

The worldwide market for Magnesium Diboride is expected to grow at a CAGR of roughly 16.1% over the next five years, will reach 6970 million US\$ in 2023, from 2840

million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Materion Corporation

Stanford Advanced Materials

ESPI

READE

Baoding Pengda

Luoyang Tongrun

Shanghai Longjin Metallic

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Superconducting wire

Superconducting thin films

Market Segment by Applications, can be divided into

Superconducting wire

Superconducting thin films

Medical

Energy

Transportation

Science

There are 15 Chapters to deeply display the global Magnesium Diboride market.

Chapter 1, to describe Magnesium Diboride Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Magnesium Diboride, with sales, revenue, and price of Magnesium Diboride, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Magnesium Diboride, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Magnesium Diboride market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Magnesium Diboride sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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