

Global Giant Magneto Resistive (GMR) Sensors Market Growth 2025-2031

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Abstracts

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The global Giant Magneto Resistive (GMR) Sensors market size is predicted to grow from US\$ 282 million in 2025 to US\$ 418 million in 2031; it is expected to grow at a CAGR of 6.7% from 2025 to 2031.

Giant magnetoresistive sensors are employed for speed, position and angle sensing.

Major application area of giant magneto resistive sensor includes consumer electronics, aerospace and defense among others. Moreover, microelectronics and biotechnology is also some of the prime application area of giant magneto resistive sensors.

The three leading companies Infineon Technologies AG, Allegro MicroSystems and Hitachi Metals share over 38%.

In 2019, Asia Pacific is leading the market for giant magneto resistive sensor in terms of consumption, followed by North America and Europe globally.. The U.S. is dominating the market for g giant magneto resistive sensor, followed by Canada and Mexico. Germany, the U.K., Italy and France are holding prominent positions in the giant magneto resistive sensors market across Europe. Brazil and Argentina among others are dominating the market for giant magneto resistive sensor across rest of world.

LP Information, Inc. (LPI) ' newest research report, the "Giant Magneto Resistive (GMR) Sensors Industry Forecast" looks at past sales and reviews total world Giant Magneto Resistive (GMR) Sensors sales in 2024, providing a comprehensive analysis by region and market sector of projected Giant Magneto Resistive (GMR) Sensors sales

for 2025 through 2031. With Giant Magneto Resistive (GMR) Sensors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Giant Magneto Resistive (GMR) Sensors industry.

This Insight Report provides a comprehensive analysis of the global Giant Magneto Resistive (GMR) Sensors 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 Giant Magneto Resistive (GMR) Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Giant Magneto Resistive (GMR) Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Giant Magneto Resistive (GMR) Sensors 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 Giant Magneto Resistive (GMR) Sensors.

This report presents a comprehensive overview, market shares, and growth opportunities of Giant Magneto Resistive (GMR) Sensors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Standard Multilayer

High Temperature Multilayer

Low Hysteresis High Temperature Multilayer

Spin Valve

Others

Segmentation by Application:

Automotive

Consumer Electronics

Industrial Applications

Aerospace & Defense

Medical & Biological

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.

Infineon Technologies

Allegro MicroSystems

Hitachi Metals

NVE

NAL

Yamaha

Robert Bosch

Alps Alpine

Sensitec

Key Questions Addressed in this Report

What is the 10-year outlook for the global Giant Magneto Resistive (GMR) Sensors market?

What factors are driving Giant Magneto Resistive (GMR) Sensors market growth, globally and by region?

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

How do Giant Magneto Resistive (GMR) Sensors market opportunities vary by end market size?

How does Giant Magneto Resistive (GMR) Sensors break out by Type, by Application?

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