

# Global Spintronic Material Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Spintronic Material market size was valued at US\$ 2723 million in 2025 and is forecast to a readjusted size of US\$ 14150 million by 2032 with a CAGR of 25.7% during review period.

Spintronic materials are a class of advanced functional materials that enable control and manipulation of electron spin states in addition to charge. They are typically used in devices such as magnetic memory (MRAM), spin valves, magnetic tunnel junctions, and spin-based logic devices. These materials often include ferromagnetic metals (e.g., CoFeB), magnetic oxides, and heavy metals that exhibit strong spin-orbit coupling. In 2025, global Spintronic Material production reached approximately 840,000 kg, with an average global market price of around US\$ 3,150 per kg. Annual production capacity is 1,100,000 kg. Gross Profit Margin?42%. Spintronic materials (Spintronic materials, materials that exploit electron spin for information processing) sit at the upstream of the advanced semiconductor and magnetic storage ecosystem. The industry chain begins with high-purity metals and rare earth elements (Ta, W, Co, Ni, Pt), which are refined into sputtering targets, magnetic alloys, and thin-film precursors. These materials are then supplied to semiconductor equipment makers and wafer fabs, where they are deposited into multilayer structures such as MTJ (magnetic tunnel junction) stacks for MRAM and TMR sensors. Chip manufacturers and foundries integrate these spintronic layers into embedded memory (eMRAM), standalone MRAM chips, and high-precision magnetic sensors used in automotive, industrial, and IoT applications. The final value is captured at the device and system level, while material suppliers remain critical because they define switching speed, retention stability, and yield performance.

This report is a detailed and comprehensive analysis for global Spintronic Material

market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Material Function 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 Spintronic Material market size and forecasts, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global Spintronic Material market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global Spintronic Material market size and forecasts, by Material Function and by Application, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global Spintronic Material market shares of main players, shipments in revenue (\$ Million), sales quantity (kg), and ASP (US\$/kg), 2021-2026

#### 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 Spintronic Material

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 Spintronic Material 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 Jx Nippon Mining & Metals, Materion Corporation, Ningbo Jiangfeng(KFMI), AT & M, Everspin Technologies, Intel

Corporation, SK Hynix, Samsung Electronics, NVE Corporation, Avalanche Technology, etc.

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

## Market Segmentation

Spintronic Material market is split by Material Function and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Material Function, 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 Material Function

- Ferromagnetic Spin Source Materials

- Spin Transport Materials

- Spin Conversion / Spin-Orbit Materials

- Magnetic Insulating Materials

### Market segment by Composition-based Segmentation

- Ferromagnetic Metals

- Heavy Metals

- Heusler Alloys

- Oxides Spin Materials

### Market segment by Spin Polarization

- High Spin Polarization?P ? 80%

Medium Spin Polarization?50% ? P  
Low Spin Polarization?P

#### Market segment by Application

Electronics

Automotive

Industrial

Others

#### Major players covered

Jx Nippon Mining & Metals

Materion Corporation

Ningbo Jiangfeng(KFMI)

AT & M

Everspin Technologies

Intel Corporation

SK Hynix

Samsung Electronics

NVE Corporation

Avalanche Technology

Kurt J. Lesker Company

Plasmaterials Inc.

SCI Engineered Materials

Spin Memory

Antaios

Advantec China

Sinomags

Zhongke Sanhuan

Ningbo Yunsheng

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 Spintronic Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Spintronic Material, with price, sales quantity, revenue, and global market share of Spintronic Material from 2021 to 2026.

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

Chapter 4, the Spintronic Material breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Material Function and by Application, with sales market share and growth rate by Material Function, by Application, from 2021 to 2032.

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 2021 to 2026. and Spintronic Material market forecast, by regions, by Material Function, and by Application, with sales and revenue, from 2027 to 2032.

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 Spintronic Material.

Chapter 14 and 15, to describe Spintronic Material sales channel, distributors, customers, research findings and conclusion.

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