

# Global Spintronic Material Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Spintronic Material market size is expected to reach \$ 14150 million by 2032, rising at a market growth of 25.7% CAGR during the forecast period (2026-2032).

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 studies the global Spintronic Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Spintronic Material and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Spintronic Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Spintronic Material total production and demand, 2021-2032, (kg)

Global Spintronic Material total production value, 2021-2032, (USD Million)

Global Spintronic Material production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (kg), (based on production site)

Global Spintronic Material consumption by region & country, CAGR, 2021-2032 & (kg)

U.S. VS China: Spintronic Material domestic production, consumption, key domestic manufacturers and share

Global Spintronic Material production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (kg)

Global Spintronic Material production by Material Function, production, value, CAGR, 2021-2032, (USD Million) & (kg)

Global Spintronic Material production by Application, production, value, CAGR, 2021-2032, (USD Million) & (kg)

This report profiles key players in the global Spintronic Material market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Spintronic Material market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (kg) and average price (US\$/kg) by

manufacturer, by Material Function, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

#### Global Spintronic Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Spintronic Material Market, Segmentation by Material Function:

Ferromagnetic Spin Source Materials

Spin Transport Materials

Spin Conversion / Spin-Orbit Materials

Magnetic Insulating Materials

#### Global Spintronic Material Market, Segmentation by Composition-based Segmentation:

Ferromagnetic Metals

Heavy Metals

Heusler Alloys

Oxides Spin Materials

Global Spintronic Material Market, Segmentation by Spin Polarization:

High Spin Polarization?P ? 80%

Medium Spin Polarization?50% ? P

Low Spin Polarization?P

Global Spintronic Material Market, Segmentation by Application:

Electronics

Automotive

Industrial

Others

Companies Profiled:

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

#### Key Questions Answered:

1. How big is the global Spintronic Material market?
2. What is the demand of the global Spintronic Material market?
3. What is the year over year growth of the global Spintronic Material market?
4. What is the production and production value of the global Spintronic Material market?
5. Who are the key producers in the global Spintronic Material market?
6. What are the growth factors driving the market demand?

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