

# Global Magnetic Thin Film Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G47D53D72A4EEN.html>

Date: June 2026

Pages: 155

Price: US\$ 4,480.00 (Single User License)

ID: G47D53D72A4EEN

## Abstracts

The global Magnetic Thin Film market size is expected to reach \$ 30196 million by 2032, rising at a market growth of 10.2% CAGR during the forecast period (2026-2032).

A magnetic thin film is a very thin layer of magnetic material?typically ranging from a few nanometers to several micrometers in thickness?deposited onto a substrate. These films exhibit magnetic properties such as ferromagnetism, and their magnetic behavior can be precisely controlled by adjusting composition, thickness, and microstructure. Magnetic thin films are widely used in data storage, spintronics, sensors, and magnetic memory devices (e.g., MRAM).In 2025, global magnetic thin film materials production reached approximately 1.75 M kg, with an average global market price of around US\$ 8,500 per kg. Annual production capacity is 1.95 M kg. Gross Profit Margin: 32%.The magnetic thin film materials industry chain is highly concentrated and technology-driven, spanning from upstream high-purity metal refining (Fe, Co, Ni, Ta, rare earth elements) to midstream alloy fabrication and sputtering target manufacturing, and finally to downstream semiconductor and magnetic device applications such as MRAM, HDD recording media, and magnetic sensors. Key value creation is concentrated in the midstream sputtering target segment, where precision composition control and ultra-high purity processing determine deposition performance in advanced thin-film structures. Equipment providers for physical vapor deposition (PVD) also play a critical enabling role, linking material supply with semiconductor fabrication.Magnetic thin film materials represent a classic ?picks-and-shovels? opportunity in the semiconductor and memory revolution. While end applications like MRAM and advanced logic chips receive most of the attention, the real bottleneck lies in material engineering precision and stable supply of high-performance targets. I believe the long-term value is concentrated in suppliers that can integrate ultra-high purity metallurgy with nanoscale compositional control, as demand will continue to rise with AI-driven computing, advanced packaging,

and spintronic memory adoption.

This report studies the global Magnetic Thin Film production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Magnetic Thin Film 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 Magnetic Thin Film that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Magnetic Thin Film total production and demand, 2021-2032, (kg)

Global Magnetic Thin Film total production value, 2021-2032, (USD Million)

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

Global Magnetic Thin Film consumption by region & country, CAGR, 2021-2032 & (kg)

U.S. VS China: Magnetic Thin Film domestic production, consumption, key domestic manufacturers and share

Global Magnetic Thin Film production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (kg)

Global Magnetic Thin Film production by Material System, production, value, CAGR, 2021-2032, (USD Million) & (kg)

Global Magnetic Thin Film production by Application, production, value, CAGR, 2021-2032, (USD Million) & (kg)

This report profiles key players in the global Magnetic Thin Film 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 Hitachi Metals, Jx Nippon Mining & Metals Corporation, Materion Corporation, Umicore Thin Film Products, Plansee Se, Tosoh Corporation, Sumitomo Chemical, Fujimi Incorporated, Mitsui Mining & Smelting, Ulvac Inc., 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 Magnetic Thin Film 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 System, 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 Magnetic Thin Film Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Magnetic Thin Film Market, Segmentation by Material System:

Transition Metal Based Films

Rare-Earth Transition Metal Films

Oxide Magnetic Films

### Global Magnetic Thin Film Market, Segmentation by Functional Magnetic Behavior:

Ultra-Soft Magnetic Thin Films?  
Soft Magnetic Films?80?8,000 A/m?

Semi-Hard Magnetic Thin Films?8,000?80,000 A/m?

Hard Magnetic Films?80,000?800,000 A/m?

Ultra-Hard Magnetic Thin Films?? 800,000 A/m?

Global Magnetic Thin Film Market, Segmentation by Deposition Process:

Physical Vapor Deposition (PVD) Films

Chemical Vapor Deposition (CVD) Films

Electroplated Magnetic Films

Global Magnetic Thin Film Market, Segmentation by Application:

Electronics &Semiconductor

Automotive

Industrial

Others

Companies Profiled:

Hitachi Metals

Jx Nippon Mining & Metals Corporation

Materion Corporation

Umicore Thin Film Products

Plansee Se

Tosoh Corporation

Sumitomo Chemical

Fujimi Incorporated

Mitsui Mining & Smelting

Ulvac Inc.

Ningbo Jiangfeng Electronic Materials

Grikin Advanced Material Co., Ltd.

Fujian Acetron New Materials Co., Ltd

Luoyang Sifon Electronic Materials

Beijing Lead Thin Film Materials

Guangdong Lead Rare Materials

Kingray New Materials

Advanced Technology & Materials

Western Superconducting Technologies

Grinm Advanced Materials

#### Key Questions Answered:

1. How big is the global Magnetic Thin Film market?
2. What is the demand of the global Magnetic Thin Film market?
3. What is the year over year growth of the global Magnetic Thin Film market?
4. What is the production and production value of the global Magnetic Thin Film market?

5. Who are the key producers in the global Magnetic Thin Film market?
6. What are the growth factors driving the market demand?

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