

# Global SmCo Permanent Magnet Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global SmCo Permanent Magnet market size is expected to reach \$ 570 million by 2032, rising at a market growth of 5.1% CAGR during the forecast period (2026-2032).

Samarium-cobalt (SmCo) permanent magnets are a class of rare-earth magnets made from an alloy of samarium (Sm) and cobalt (Co), valued for exceptionally strong magnetic performance, high coercivity, and outstanding temperature and corrosion stability compared with many other magnet types. Structurally SmCo magnets are commonly produced in SmCo<sub>5</sub> or Sm<sub>2</sub>Co<sub>17</sub> compositions, with both offering robust magnetic energy products and the ability to operate reliably in elevated temperature environments where alternatives like ferrites or some NdFeB grades degrade quickly. These characteristics make SmCo magnets particularly suitable for applications in harsh industrial conditions such as aerospace, defense systems, sensors, high-speed motors, and specialized electronic equipment. Their material strength and pre-aligned, sintered manufacturing process require careful handling and machining, contributing to their premium positioning in the magnet hierarchy relative to commodity magnets.

On the upstream side, SmCo magnets rely on the availability of refined rare earth materials (samarium and other light rare earths) and cobalt, both of which have geographically concentrated supply bases and are subject to price volatility and geopolitical risk. These raw materials are alloyed, sintered, and magnetized at specialized facilities; companies with integrated refining and manufacturing operations (e.g., major players in Japan, Europe, China and the U.S.) tend to command advantageous positions in the supply chain. Downstream, SmCo magnets are incorporated into assemblies and sub-systems by high-technology OEMs across defense, aerospace, medical, high-precision industrial motors, and instrumentation segments. Prominent end-users include aerospace and defense primes sourcing for

guidance, avionics, and space missions; automotive manufacturers and suppliers for high-temperature motor applications; medical device makers embedding magnets in imaging and sensor units; and electronic systems integrators requiring precision magnetic components. Procurement behavior among these customer groups is driven by technical specification adherence (e.g., temperature tolerance, magnetic energy density), certification and quality audit compliance for mission-critical applications, long-term supply agreements to mitigate rare earth price volatility, and often dual-sourcing strategies to reduce dependence on a single geographic supplier. On industrial average, gross margins for manufacturers in this segment tend to align near ~25%, reflecting the specialized nature of SmCo magnet production and the value added through controlled quality and performance differentiation.

The global SmCo permanent magnet market remains a niche but strategically important segment of the broader permanent magnet landscape. With annual production around 4,179 mt and an average market price near USD 85.0 per kg, the sector is much smaller by volume than NdFeB magnets but commands relevance where high-temperature performance and stable magnetic behavior are critical. Demand is being supported by growth in aerospace and defense procurement, expansion of high-precision industrial equipment, and continued use in energy and medical technology applications that cannot tolerate performance loss at elevated temperatures. Geopolitical factors and supply chain resilience are increasingly influencing market structure, as major industrialized nations invest in diversification of rare earth processing and magnet manufacturing capacity to reduce dependence on any single regional supplier. Price sensitivity persists, but shifting customer priorities toward supply security and performance assurance have softened commodity-style competition, reinforcing the premium positioning of SmCo magnets in applications where long-term reliability supersedes lowest cost choices.

This report studies the global SmCo Permanent Magnet production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for SmCo Permanent Magnet 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 SmCo Permanent Magnet that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global SmCo Permanent Magnet total production and demand, 2021-2032, (Tons)

Global SmCo Permanent Magnet total production value, 2021-2032, (USD Million)  
Global SmCo Permanent Magnet production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)  
Global SmCo Permanent Magnet consumption by region & country, CAGR, 2021-2032 & (Tons)  
U.S. VS China: SmCo Permanent Magnet domestic production, consumption, key domestic manufacturers and share  
Global SmCo Permanent Magnet production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)  
Global SmCo Permanent Magnet production by Material, production, value, CAGR, 2021-2032, (USD Million) & (Tons)  
Global SmCo Permanent Magnet production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global SmCo Permanent Magnet 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 Arnold Magnetic, Permag, Shin-Etsu, VAC, NGYC, HPMG, CO-STAR, Newland Magnetics, Cixi Pengcheng Magnetic Steel, Tianhe Magnetics, 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 SmCo Permanent Magnet market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Kg) by manufacturer, by Material, 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 SmCo Permanent Magnet Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global SmCo Permanent Magnet Market, Segmentation by Material:

SmCo5

Sm2Co17

#### Global SmCo Permanent Magnet Market, Segmentation by Technology:

Sintered SmCo

Bonded SmCo

#### Global SmCo Permanent Magnet Market, Segmentation by Temperature Grade:

General Grade

Ultra-High Temperature Grade

Temperature Compensated Grade

#### Global SmCo Permanent Magnet Market, Segmentation by Application:

Aerospace and Defense

Automotive Industry

Industrial Machinery

Other

#### Companies Profiled:

Arnold Magnetic

Permag

Shin-Etsu

VAC

NGYC

HPMG

CO-STAR

Newland Magnetics

Cixi Pengcheng Magnetic Steel

Tianhe Magnetics

Galaxy Magnetic

#### **Key Questions Answered:**

1. How big is the global SmCo Permanent Magnet market?
2. What is the demand of the global SmCo Permanent Magnet market?
3. What is the year over year growth of the global SmCo Permanent Magnet market?
4. What is the production and production value of the global SmCo Permanent Magnet

market?

5. Who are the key producers in the global SmCo Permanent Magnet market?

6. What are the growth factors driving the market demand?

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