

Global Magnetic Materials Used in AI Servers 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 Magnetic Materials Used in AI Servers market size was valued at US\$ 47.74 million in 2025 and is forecast to a readjusted size of US\$ 195 million by 2032 with a CAGR of 20.8% during review period.

In 2025, the global production of Magnetic Materials Used in AI Servers reached 7,700 tons, with an average selling price of US\$63,000 per ton, a gross profit margin of approximately 40%, and a production capacity of approximately 8,500 tons.

In AI servers, magnetic materials are key fundamental materials supporting high-power, high-efficiency, and high-reliability operation. With the large-scale deployment of accelerators such as GPUs and ASICs in AI servers, the power consumption of a single machine has rapidly increased to several kilowatts or even higher, placing far higher demands on power conversion efficiency and power density than traditional servers. This has significantly increased the importance of magnetic materials. The demand for magnetic materials in AI servers is rapidly evolving towards high frequency, low loss, high power density, miniaturization, and high reliability. Magnetic materials have transformed from traditional general-purpose electronic component materials into strategic key materials that directly affect the performance, energy efficiency, and long-term stable operation of AI servers.

This report is a detailed and comprehensive analysis for global Magnetic Materials Used in AI Servers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type 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 Magnetic Materials Used in AI Servers market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Magnetic Materials Used in AI Servers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Magnetic Materials Used in AI Servers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Magnetic Materials Used in AI Servers market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 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 Magnetic Materials Used in AI Servers

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 Magnetic Materials Used in AI Servers 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 POCO Magnetic, DMEGC, ZheJiang NBTM KeDa (KDM), TDG, ????, Chang Sung Corporation, Acadian Seaplants, Shandong Sukahan Bio-Technology, etc.

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

Market Segmentation

Magnetic Materials Used in AI Servers market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, 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 Type

Soft Magnetic Metals

Amorphous and Nanocrystalline Powders

Market segment by Material

MPP

Sendust

High Flux

Fe-Si

Others

Market segment by Application

GPU Server

ASIC Server

FPGA Server

Others

Major players covered

POCO Magnetic

DMEGC

ZheJiang NBTM KeDa (KDM)

TDG

????

Chang Sung Corporation

Acadian Seaplants

Shandong Sukahan Bio-Technology

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 Magnetic Materials Used in AI Servers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Magnetic Materials Used in AI Servers, with price, sales quantity, revenue, and global market share of Magnetic Materials Used in AI Servers from 2021 to 2026.

Chapter 3, the Magnetic Materials Used in AI Servers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Magnetic Materials Used in AI Servers 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 Type and by Application, with sales market share and growth rate by Type, 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 Magnetic Materials Used in AI Servers market forecast, by regions, by Type, 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 Magnetic Materials Used in AI Servers.

Chapter 14 and 15, to describe Magnetic Materials Used in AI Servers sales channel, distributors, customers, research findings and conclusion.

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