

Magnet Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-05-29 | 142 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$2499.00
- Five User Licence \$3499.00
- Enterprisewide License \$4499.00

Report description:

Market Overview:

The global magnet market size reached US\$ 38.3 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 49.3 Billion by 2028, exhibiting a growth rate (CAGR) of 4.61% during 2023-2028.

A magnet refers to any material that produces a magnetic field and is capable of attracting iron, nickel and cobalt and objects containing these metals. It is made of a group of materials called ferromagnetic metals, such as nickel and iron, which have the unique property of being able to be magnetized uniformly. Over the years, the demand for magnets has escalated around the world as they are used in a wide range of devices used today, from air-conditioners and washing machines to speakers and hybrid cars.

Magnets are used in various home appliances such as refrigerators, vacuum cleaners, lawnmowers and garden tractors. They also play a critical role in the functioning of multiple medical devices, particularly magnetic resonance imaging (MRI) machines, hearing aids, and ventricular assist devices (VAD). Besides this, their strong magnetic strength allows for significant product miniaturization, improved product performance and reduced manufacturing costs. Apart from this, the reduction in the emissions of CO₂ and other greenhouse gases in line with the Kyoto Protocol is rapidly emerging as a major global agenda. Owing to this, governments of various countries are focusing on using energy-saving technologies and devices that can help them in reducing their carbon footprints. Moreover, manufacturers have introduced magnetic levitation (maglev), a relatively new transportation technology, in which non contacting vehicles travel safely at a speed of 250 to 300 miles-per-hour or higher while suspended, guided and propelled above a guideway by magnetic fields. This technology has the potential to grow in the near future, thereby creating a strong demand for magnets.

Key Market Segmentation:

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

IMARC Group provides an analysis of the key trends in each sub-segment of the global magnet market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on magnet type and application.

Breakup by Magnet Type:

- Ferrite
- Neodymium Iron Boron (NdFeB)
- Aluminium Nickel Cobalt (AlNiCo)
- Samarium Cobalt (SmCo)

Amongst these, neodymium iron boron (NdFeB) is the most popular type of magnets, accounting for majority of the overall market share.

Breakup by Application:

- Computer Hard Disk Drives (HDD), CD, DVD
- Hybrid Electric Vehicles
- Electric Bicycles
- Heating, Ventilating and Air Conditioners (HVAC)
- Wind Turbines
- Other Applications
 - Transducers and Loudspeakers
 - Magnetic Separation Equipment and Sorters
 - Magnetic Resonance Imaging (MRI)
- Magnetic Braking Systems
- Magnetically Levitated Transportation Systems
- Medicine and Health
- Credit Cards and other ID Cards
- Traveling Waves Tubes (TWT)
- Advertising and Promotional Products
- Magnetic Refrigeration system
- Nanotechnology
- Military and Aerospace
- Energy Storage Systems
-

At present, the major share of magnets is used in computer hard disk drives (HDD), CDs and DVDs, where the magnet is used both for driving the spindle motor and for positioning the read/write head.

Regional Insights:

- China
- Japan
- USA
- Europe
- Other Regions

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

On the geographical front, China represents the world's largest market for permanent magnets and currently accounts for nearly two-thirds of the global market.

Competitive Landscape:

The competitive landscape of the market has been analyzed in the report, providing the detailed profiles of the major players operating in the industry.

Key Questions Answered in This Report:

What was the size of the global magnet market in 2022?

What is the expected growth rate of the global magnet market during 2023-2028?

What are the key factors driving the global magnet market?

What has been the impact of COVID-19 on the global magnet market?

What is the breakup of the global magnet market based on the magnet type?

What is the breakup of the global magnet market based on the application?

What are the key regions in the global magnet market?

Who are the key players/companies in the global magnet market?

Table of Contents:

1	Preface
2	Scope and Methodology
2.1	Objectives of the Study
2.2	Stakeholders
2.3	Data Sources
2.3.1	Primary Sources
2.3.2	Secondary Sources
2.4	Market Estimation
2.4.1	Bottom-Up Approach
2.4.2	Top-Down Approach
2.5	Forecasting Methodology
3	Executive Summary
4	Introduction
5	Global Permanent Magnet Market
5.1	Market Overview
5.2	Market Performance
5.2.1	Volume Trends
5.2.2	Value Trends
5.3	Impact of COVID-19
5.4	Market Breakup by Type
5.5	Market Forecast
5.6	Value Chain Analysis
5.7	Pricing Mechanism and Profit Margins at Various Levels of the Supply Chain
5.8	SWOT Analysis
5.8.1	Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.8.2 Strengths
- 5.8.3 Weaknesses
- 5.8.4 Opportunities
- 5.8.5 Threats
- 5.9 Porter's Five Forces Analysis
 - 5.9.1 Overview
 - 5.9.2 Bargaining Power of Buyers
 - 5.9.3 Bargaining Power of Suppliers
 - 5.9.4 Degree of Competition
 - 5.9.5 Threat of New Entrants
 - 5.9.6 Threat of Substitutes
- 5.10 Key Success and Risk Factors for Manufacturers
- 6 Global Permanent Magnet Market by Magnet Type
 - 6.1 Ferrite
 - 6.1.1 Volume Trends
 - 6.1.2 Value Trends
 - 6.1.3 Market by Region
 - 6.1.4 Major Applications
 - 6.1.5 Market Forecast
 - 6.2 Neodymium Iron Boron (NdFeB)
 - 6.2.1 Volume Trends
 - 6.2.2 Value Trends
 - 6.2.3 Market by Region
 - 6.2.4 Major Applications
 - 6.2.5 Market Forecast
 - 6.3 Aluminium Nickel Cobalt (AlNiCo)
 - 6.3.1 Volume Trends
 - 6.3.2 Value Trends
 - 6.3.3 Market by Region
 - 6.3.4 Major Applications
 - 6.3.5 Market Forecast
 - 6.4 Samarium Cobalt (SmCo)
 - 6.4.1 Volume Trends
 - 6.4.2 Value Trends
 - 6.4.3 Market by Region
 - 6.4.4 Major Applications
 - 6.4.5 Market Forecast
- 7 Global Permanent Magnet Market by Region
 - 7.1 China
 - 7.1.1 Current and Historical Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Japan
 - 7.2.1 Current and Historical Market Trends
 - 7.2.2 Market Forecast
 - 7.3 USA
 - 7.3.1 Current and Historical Market Trends
 - 7.3.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.4 Europe
 - 7.4.1 Current and Historical Market Trends
 - 7.4.2 Market Forecast
- 7.5 Other Regions
 - 7.5.1 Current and Historical Market Trends
 - 7.5.2 Market Forecast
- 8 Global Permanent Magnet Market by Application
 - 8.1 Computer Hard Disk Drives (HDD), CD, DVD
 - 8.2 Hybrid Electric Vehicles
 - 8.3 Electric Bicycles
 - 8.4 Heating, Ventilating and Air Conditioners (HVAC)
 - 8.5 Wind Turbines
 - 8.6 Other Applications
 - 8.6.1 Transducers and Loudspeakers
 - 8.6.2 Magnetic Separation Equipment and Sorters
 - 8.6.3 Magnetic Resonance Imaging (MRI)
 - 8.6.4 Magnetic Braking Systems
 - 8.6.5 Magnetically Levitated Transportation Systems
 - 8.6.6 Medicine and Health
 - 8.6.7 Credit Cards and other ID Cards
 - 8.6.8 Travelling Waves Tubes (TWT)
 - 8.6.9 Advertising and Promotional Products
 - 8.6.10 Magnetic Refrigeration system
 - 8.6.11 Nanotechnology
 - 8.6.12 Military and Aerospace
 - 8.6.13 Energy Storage Systems
- 9 Key Players in the Global Magnet Market
- 10 Requirements for Setting-up a Permanent Magnet Manufacturing Plant
 - 10.1 Ferrite
 - 10.1.1 Manufacturing Process
 - 10.1.2 Raw Material Requirements
 - 10.1.3 Land and Construction Requirements
 - 10.1.4 Machinery and Infrastructure
 - 10.1.5 Machinery Pictures
 - 10.1.6 Plant Layout
 - 10.1.7 Packaging Requirements
 - 10.1.8 Utility Requirements
 - 10.1.9 Manpower Requirements
 - 10.2 Neodymium Iron Boron (NdFeB)
 - 10.2.1 Manufacturing Process
 - 10.2.2 Raw Material Requirements
 - 10.2.3 Land and Construction Requirements
 - 10.2.4 Machinery and Infrastructure
 - 10.2.5 Machinery Pictures
 - 10.2.6 Plant Layout
 - 10.2.7 Packaging Requirements
 - 10.2.8 Utility Requirements

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 10.2.9 Manpower Requirements
- 10.3 Samarium Cobalt (SmCo)
 - 10.3.1 Manufacturing Process
 - 10.3.2 Raw Material Requirements
 - 10.3.3 Land and Construction Requirements
 - 10.3.4 Machinery and Infrastructure
 - 10.3.5 Machinery Pictures
 - 10.3.6 Plant Layout
 - 10.3.7 Packaging Requirements
 - 10.3.8 Utility Requirements
 - 10.3.9 Manpower Requirements
- 11 Drivers of the Global Permanent Magnets Industry
- 12 Challenges Faced by the Magnet Industry
- 13 Import and Export Data of Permanent Magnets
 - 13.1 Exports
 - 13.2 Imports

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Magnet Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-05-29 | 142 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$2499.00
	Five User Licence	\$3499.00
	Enterprisewide License	\$4499.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-06-25"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com