

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

https://marketpublishers.com/r/F865B15BFA1EN.html

Date: July 2023

Pages: 147

Price: US\$ 2,499.00 (Single User License)

ID: F865B15BFA1EN

Abstracts

Market Overview:

The global ferrite magnet market size reached US\$ 6.6 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 8.1 Billion by 2028, exhibiting a growth rate (CAGR) of 3.63% during 2023-2028. The increasing demand for cost-effective permanent magnets in numerous industries, including automotive, electronics, healthcare, and renewable energy; ongoing advancements in technology; and the development of new manufacturing processes and applications represent some of the key factors driving the market.

The Increasing Adoption of Ferrite Magnet in the Automotive Industry is Propelling the Growth of the Growth

Ferrite magnet is widely used in the automotive industry due to its high magnetic properties and low cost as compared to other types of magnets. It is widely used in motors that power electric power steering systems and start-stop systems for providing an efficient and reliable source of power. Additionally, ferrite magnet is employed in sensors that detect wheel speed in anti-lock braking systems and actuators in engine management systems for better control and safety. The inflating disposable incomes are further propelling the demand for automotive, which is catalyzing the demand for ferrite magnet worldwide. Apart from this, ongoing development in logistics and increasing affordability of automobiles are strengthening the market.

Competitive analysis such as market structure, market share by key players, player positioning, top winning strategies, competitive dashboard, and company evaluation quadrant has been covered in the report. Also, detailed profiles of all major companies



have been provided. The market structure is fragmented with a number of small and large players sharing the total market. The volume of new entrants is moderate in the ferrite magnet industry due to high capital investment, low switching cost, and easy access to distribution networks. The product differentiation is also low as the product offered by different manufacturers is similar.

What is a Ferrite Magnet?

Also known as a ceramic magnet, a ferrite magnet is made from a combination of iron oxide and various other metallic elements, such as barium, strontium, and lead. It is brittle and possesses a high magnetic permeability and resistance to demagnetization. It also offers high coercivity and low magnetic losses. It is more cost-effective and offers lower production costs than neodymium magnets. Moreover, it provides stable magnetic performance and is not affected by external factors, such as temperature, humidity, and vibration. It is widely used in small motors and generators due to high coercivity and low magnetic losses. It is also employed in speakers and headphones to convert electrical energy into sound waves. At present, the ferrite magnet is widely available in the form of rings, discs, cylinders, and blocks and utilized in various applications, including electroacoustic products, power play tools, security machines, magnetic suspension systems, and calculating machines, across the globe.

COVID-19 Impact:

The COVID-19 pandemic outbreak caused severe problems for the ferrite magnet industry and imposed unprecedented challenges on numerous countries. It also created a severe disturbance in the supply chains, transportation, and various social activities, which resulted in labor shortages and increments in the price of raw materials. This caused a significant drop in the production of ferrite magnet. Moreover, the pandemic also resulted in a decrease in demand for ferrite magnets in the automotive industry. This, coupled with the disruption in global supply chains, caused a decline in the demand for ferrite magnets, which further impacted the market. However, the growing demand for ferrite magnets in the healthcare industry for medical devices, such as magnetic resonance imaging (MRI) machines and medical implants, has partially offset the decline in demand from other industries.

Ferrite Magnet Market Trends:

Inflating disposable incomes and the increasing adoption of consumer electronics, such as smartphones, laptops, and televisions, represent one of the key factors catalyzing the demand for ferrite magnets across the globe. In addition, the burgeoning automotive



industry and rising utilization of ferrite magnets in the construction of various parts of vehicles, including electric power steering systems, sensors, alternators, generators, electric motors, windshield wipers, and seat belt indicators, are strengthening the growth of the market. Apart from this, ferrite magnets are used in numerous medical equipment, such as magnetic therapy devices, magnetic resonance imaging (MRI) scanners, dental braces, and orthodontic appliances, which is bolstering the growth of the market around the world. Moreover, ferrite magnets are used in magnetic bearings, which are further utilized in supporting the weight of large structures, such as bridges and buildings. They also provide a strong and stable support system that is highly resistant to wear and tear. This, in confluence with the increasing investments in the development of infrastructure, is fueling the growth of the market. Besides this, the widespread adoption of ferrite magnets as one of the most cost-effective types of permanent magnets is offering lucrative growth opportunities to manufacturers for reducing costs and achieving the required level of magnetic performance. Additionally, rising environmental concerns is increasing the adoption of ferrite magnets as they do not contain rare earth elements, which are expensive and have negative environmental impacts. Moreover, the widespread adoption of ferrite magnets in generators and turbines for wind power and hydroelectric power applications, in confluence with a significant shift towards renewable energy sources, is creating a favorable market outlook. In addition, ongoing technological advancements and new manufacturing processes and applications for ferrite magnets are fueling the market growth. Besides this, increasing investments in research and development (R&D) to provide high quality permanent magnet is creating a positive market outlook. Furthermore, rapid industrialization and urbanization, improving logistics, and an abundance of raw materials for ferrite production are stimulating the growth of the market around the world.

Key Market Segmentation:

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

Application Insights:

Electro-Acoustic Products
Electronics Industry
Power Play Tools
Car Line Industry
Calculating Machines



Others

A detailed breakup and analysis of the ferrite magnet market based on the application has also been provided in the report. This includes electro-acoustic products, electronics industry, power play tools, car line industry, calculating machines, and others. According to the report, electro-acoustic products accounted for the largest market share on account of the increasing use of ferrite magnet as transducers in speakers, microphones, headsets, intercom sets, communication equipment, sound powered telephones, piezo buzzers, and magnetic buzzers. Additionally, improvement in logistics and the expansion of the e-commerce channels, which facilitate easy availability and accessibility of electro-acoustic products are creating a favorable market outlook.

Regional Insights:

China
Japan
United States
India
Others

The report has also provided a comprehensive analysis of all the major regional markets, which include China, Japan, United States, India, and others. According to the report, China was the largest market for ferrite magnet. Some of the factors driving the ferrite magnet market in China included the cheap labor and abundance of raw material, which makes the country a favorable destination for manufacturers of magnets and electric transformers, inductors, and industrial and electronic goods. Apart from this, China currently accounts for majority of the production and consumption of ferrite magnets, which is impelling the market growth in the country.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global ferrite magnet market. Some of the companies covered in the report include:

Ningbo Yunsheng Co. Ltd.
Hangzhou Permanent Magnet Group
JPMF Guangdong Co. Ltd.
Ninggang Permanent Magnet Materials Co. Ltd.
Hitachi Metals L



Please note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report?

How has the global ferrite magnet market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global ferrite magnet market? What is the impact of each driver, restraint, and opportunity on the global ferrite magnet market?

Which countries represent the most attractive ferrite magnet market?
What is the breakup of the market based on the application?
Which is the most attractive application in the ferrite magnet market?
What is the competitive structure of the global ferrite magnet market?
Who are the key players/companies in the global ferrite magnet market?



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

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL PERMANENT MAGNET MARKET

- 5.1 Market Overview
- 5.2 Market Trends
 - 5.2.1 Volume Trends
 - 5.2.2 Value Trends
- 5.3 Price Analysis
- 5.4 Market Breakup by Region
- 5.5 Market Breakup by Type
- 5.6 Market Forecast

6 GLOBAL FERRITE MAGNET INDUSTRY

- 6.1 Market Overview
- 6.2 Market Trends
 - 6.2.1 Volume Trends



- 6.2.2 Value Trends
- 6.3 Impact of COVID-19
- 6.4 Price Analysis
 - 6.4.1 Key Price Indicators
 - 6.4.2 Price Structure
 - 6.4.3 Price Trends
- 6.5 Market Breakup by Region
- 6.6 Market Breakup by Application
- 6.7 Market Forecast
- 6.8 SWOT Analysis
 - 6.8.1 Overview
 - 6.8.2 Strengths
 - 6.8.3 Weaknesses
 - 6.8.4 Opportunities
 - 6.8.5 Threats
- 6.9 Value Chain Analysis
- 6.10 Porter's Five Forces Analysis
 - 6.10.1 Overview
 - 6.10.2 Bargaining Power of Buyers
 - 6.10.3 Bargaining Power of Suppliers
 - 6.10.4 Degree of Competition
 - 6.10.5 Threat of New Entrants
 - 6.10.6 Threat of Substitutes
- 6.11 Key Market Drivers and Success Factors

7 PERFORMANCE OF KEY REGIONS

- 7.1 China
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Japan
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 United States
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 India
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast



7.5 Others

- 7.5.1 Market Trends
- 7.5.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Electro-Acoustic Products
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Electronics Industry
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Power Play Tools
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Car Line Industry
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Calculating Machines
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 8.6 Others
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast

9 COMPETITIVE LANDSCAPE

- 9.1 Market Structure
- 9.2 Key Players

10 FERRITE MAGNET POWDER MANUFACTURING PROCESS

- 10.1 Product Overview
- 10.2 Detailed Process Flow
- 10.3 Various Types of Unit Operations Involved
- 10.4 Mass Balance and Raw Material Requirements

11 PROJECT DETAILS, REQUIREMENTS AND COSTS INVOLVED



- 11.1 Land Requirements and Expenditures
- 11.2 Construction Requirements and Expenditures
- 11.3 Plant Layout
- 11.4 Plant Machinery
- 11.5 Machinery Pictures
- 11.6 Raw Material Requirements and Expenditures
- 11.7 Raw Material and Final Product Pictures
- 11.8 Packaging Requirements and Expenditures
- 11.9 Transportation Requirements and Expenditures
- 11.10 Utility Requirements and Expenditures
- 11.11 Manpower Requirements and Expenditures
- 11.12 Other Capital Investments

12 LOANS AND FINANCIAL ASSISTANCE

13 PROJECT ECONOMICS

- 13.1 Capital Cost of the Project
- 13.2 Techno-Economic Parameters
- 13.3 Product Pricing and Margins Across Various Levels of the Supply Chain
- 13.4 Taxation and Depreciation
- 13.5 Income Projections
- 13.6 Expenditure Projections
- 13.7 Financial Analysis
- 13.8 Profit Analysis

14 KEY PLAYER PROFILES

- 14.1 Ningbo Yunsheng Co. Ltd.
- 14.2 Hangzhou Permanent Magnet Group
- 14.3 JPMF Guangdong Co. Ltd.
- 14.4 Ninggang Permanent Magnet Materials Co. Ltd.
- 14.5 Hitachi Metals L



List Of Tables

LIST OF TABLES

Table 1: Global: Permanent Magnet Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Permanent Magnet Market Forecast: Breakup by Region (in Million

US\$), 2023-2028

Table 3: Global: Permanent Magnet Market Forecast: Breakup by Type (in Million US\$),

2023-2028

Table 4: Global: Ferrite Magnet Market: Key Industry Highlights, 2022 and 2028

Table 5: Global: Ferrite Magnet Market Forecast: Breakup by Region (in Million US\$),

2023-2028

Table 6: Global: Ferrite Magnet Market Forecast: Breakup by Application (in Million

US\$), 2023-2028

Table 7: Global: Ferrite Magnet Powder Market: Key Suppliers

Table 8: Ferrite Magnet Powder Manufacturing Plant: Costs Related to Land and Site

Development (in US\$)

Table 9: Ferrite Magnet Powder Manufacturing Plant: Costs Related to Civil Works (in

US\$)

Table 10: Ferrite Magnet Powder Manufacturing Plant: Costs Related to Plant

Machinery (in US\$)

Table 11: Ferrite Magnet Powder Manufacturing Plant: Raw Materials Requirements (in

Tons/Day)

Table 12: Ferrite Magnet Powder Manufacturing Plant: Costs Related to Salaries and

Wedges (in US\$)

Table 13: Ferrite Magnet Powder Manufacturing Plant: Costs Related to Other Capital

Investments (in US\$)

Table 14: Details of Financial Assistance Offered by Financial Institutions

Table 15: Ferrite Magnet Powder Manufacturing Plant: Capital Costs (in US\$)

Table 16: Ferrite Magnet Powder Manufacturing Plant: Techno-Economic Parameters

Table 17: Ferrite Magnet Powder Manufacturing Plant: Taxation and Depreciation

Table 18: Ferrite Magnet Powder Manufacturing Plant: Income Projections (in US\$)

Table 19: Ferrite Magnet Powder Manufacturing Plant: Expenditure Projections (in US\$)

Table 20: Ferrite Magnet Powder Manufacturing Plant: Cash Flow Analysis Without

Considering the Income Tax Liability

Table 21: Ferrite Magnet Powder Manufacturing Plant: Cash Flow Analysis on

Considering the Income Tax Liability

Table 22: Ferrite Magnet Powder Manufacturing Plant: Profit and Loss Account



List Of Figures

LIST OF FIGURES

Figure 1: Global: Ferrite Magnet Market: Major Drivers and Challenges

Figure 2: Global: Permanent Magnet Market: Sales Volume (in Metric Tons), 2017-2022

Figure 3: Global: Permanent Magnet Market: Sales Value (in Billion US\$), 2017-2022

Figure 4: Global: Permanent Magnet Market: Average Prices (in US\$/Ton), 2017-2022

Figure 5: Global: Permanent Magnet Market: Breakup by Region (in %), 2022

Figure 6: Global: Permanent Magnet Market: Breakup by Type (in %), 2022

Figure 7: Global: Permanent Magnet Market Forecast: Sales Volume (in Metric Tons), 2023-2028

Figure 8: Global: Permanent Magnet Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 9: Global: Ferrite Magnet Market: Sales Volume (in Metric Tons), 2017-2022

Figure 10: Global: Ferrite Magnet Market: Sales Value (in Billion US\$), 2017-2022

Figure 11: Global: Ferrite Magnet Market: Average Prices (in US\$/Ton), 2017-2022

Figure 12: Ferrite Magnet Market: Price Structure

Figure 13: Global: Ferrite Magnet Market: Breakup by Region (in %), 2022

Figure 14: Global: Ferrite Magnet Market: Breakup by Application (in %), 2022

Figure 15: Global: Ferrite Magnet Market Forecast: Sales Volume (in Metric Tons),

2023-2028

Figure 16: Global: Ferrite Magnet Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 17: Global: Ferrite Magnet Industry: SWOT Analysis

Figure 18: Global: Ferrite Magnet Industry: Value Chain Analysis

Figure 19: Global: Ferrite Magnet Industry: Porter's Five Forces Analysis

Figure 20: China: Ferrite Magnet Market (in Million US\$), 2017 & 2022

Figure 21: China: Ferrite Magnet Market Forecast (in Million US\$), 2023-2028

Figure 22: Japan: Ferrite Magnet Market (in Million US\$), 2017 & 2022

Figure 23: Japan: Ferrite Magnet Market Forecast (in Million US\$), 2023-2028

Figure 24: United States: Ferrite Magnet Market (in Million US\$), 2017 & 2022

Figure 25: United States: Ferrite Magnet Market Forecast (in Million US\$), 2023-2028

Figure 26: India: Ferrite Magnet Market (in Million US\$), 2017 & 2022

Figure 27: India: Ferrite Magnet Market Forecast (in Million US\$), 2023-2028

Figure 28: Others: Ferrite Magnet Market (in Million US\$), 2017 & 2022

Figure 29: Others: Ferrite Magnet Market Forecast (in Million US\$), 2023-2028

Figure 30: Global: Ferrite Magnet (Application in Electro-Acoustic Products) Market:

Sales Value (in Million US\$), 2017 & 2022



Figure 31: Global: Ferrite Magnet (Application in Electro-Acoustic Products) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: Ferrite Magnet (Application in Electronics Industry) Market: Sales

Value (in Million US\$), 2017 & 2022

Figure 33: Global: Ferrite Magnet (Application in Electronics Industry) Market Forecast:

Sales Value (in Million US\$), 2023-2028

Figure 34: Global: Ferrite Magnet (Application in Power Play Tools) Market: Sales Value

(in Million US\$), 2017 & 2022

Figure 35: Global: Ferrite Magnet (Application in Power Play Tools) Market Forecast:

Sales Value (in Million US\$), 2023-2028

Figure 36: Global: Ferrite Magnet (Application in Car Line Industry) Market: Sales Value

(in Million US\$), 2017 & 2022

Figure 37: Global: Ferrite Magnet (Application in Car Line Industry) Market Forecast:

Sales Value (in Million US\$), 2023-2028

Figure 38: Global: Ferrite Magnet (Application in Calculating Machines) Market: Sales

Value (in Million US\$), 2017 & 2022

Figure 39: Global: Ferrite Magnet (Application in Calculating Machines) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Global: Ferrite Magnet (Other Applications) Market: Sales Value (in Million

US\$), 2017 & 2022

Figure 41: Global: Ferrite Magnet (Other Applications) Market Forecast: Sales Value (in

Million US\$), 2023-2028

Figure 42: Ferrite Magnet Powder Manufacturing Plant: Detailed Process Flow

Figure 43: Ferrite Magnet Powder Manufacturing Process: Conversion Rate of Products

Figure 44: Ferrite Magnet Powder Manufacturing Plant: Proposed Plant Layout

Figure 45: Ferrite Magnet Powder Manufacturing Plant: Breakup of Capital Costs (in %)

Figure 46: Ferrite Magnet Powder Industry: Profit Margins at Various Levels of the

Supply Chain

Figure 47: Ferrite Magnet Powder Production: Manufacturing Cost Breakup (in %)



I would like to order

Product name: Ferrite Magnet Market: Global Industry Trends, Share, Size, Growth, Opportunity and

Forecast 2023-2028

Product link: https://marketpublishers.com/r/F865B15BFA1EN.html

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/F865B15BFA1EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

