

# Global Permanent Magnets Market Insights, Forecast to 2026

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## Abstracts

Permanent magnets are objects made from a material that is magnetized and creates its own persistent magnetic field. Permanent magnets are made out of substances like magnetite ( $\text{Fe}_3\text{O}_4$ ), the most magnetic naturally occurring mineral, or neodymium, a powerfully magnetic synthetic substance.

Rising demand for miniaturization coupled with advancement in technology that leads to the availability of better quality ferrite magnets and neo magnets with lesser dysprosium content, together, will drive the market to \$18.8 billion by 2018. Asia-Pacific is the fastest growing markets for permanent magnet. Developing economies such as China and India are act as a growth engine for many industries that include automotive, consumer electronics, and medical technologies. These growing industries drive the growth in the region. The market here is expected to experience highest revenue growth during the next five years.

The factors that drive growth in the permanent magnet market include high demand from current & emerging applications, development, and modernization of infrastructure, increased demand for efficiency & miniaturization, and initiatives of associations & regulatory bodies. The factors that hinder the growth of this market are the fluctuating costs of raw materials, lack of quality control across developing countries, and huge investments required in R&D and technology.

China is the leading manufacturer of low cost permanent magnet. The Chinese producers were able to produce low cost permanent magnet owing to government support and subsidies, cheap labor cost, and the presence of only a few environment & health policies. It was practically impossible for producers outside China to offer at a lower cost, and operate profitably, which resulted in a closure of magnet plants outside China. China in turn became the leading producer of permanent magnet. Moreover, China has also developed an exclusive full scale competitive advantage on rare earth elements (REE) mining technology, production technology, processing technology, and

human capital.

But, the market is growing with increasing number of applications in several industries. Quite a few associations and government authorities are taking the initiative for further research and development to expand the technological know-how and applications. For example, IEEE Magnetics (U.S.) focuses on basic development, designs, and applications of magnetic devices. The National Institute of Standards and Technology (NIST) (U.S.) focuses on the development of measurements, standards, and technology to improve the productivity of the product. Most of the companies have been focusing mainly on R&D in order to develop new and improved products. The companies have extensively applied expansion (either geographic or capacity expansion) as a growth strategy for this market, to increase their market share.

SmCo magnets can be used for the widest temperature range, followed by Alnico magnets. But their magnetic properties are not that high. Ferrite magnets are the cheapest permanent magnet, hence they are consumed in the largest proportion, but their usage is limited by an operable temperature range and lower magnetic energy product. The NdFeB magnet has confined usage in high temperature applications. But in combination with cobalt and dysprosium its temperature properties are enhanced and used widely in applications where miniaturization is an important design criterion. Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Permanent Magnets 4900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Permanent Magnets 4900 industry.

Based on our recent survey, we have several different scenarios about the Permanent Magnets 4900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 3383.8 million in 2019. The market size of Permanent Magnets 4900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a

brilliant attempt to unveil key opportunities available in the global Permanent Magnets market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Permanent Magnets market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Permanent Magnets market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

### Production and Pricing Analyses

Readers are provided with deeper production analysis, import and export analysis, and pricing analysis for the global Permanent Magnets market. As part of production analysis, the report offers accurate statistics and figures for production capacity, production volume by region, and global production and production by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for price by manufacturer and price by region for the period 2015-2020 and price by each type segment for the period 2015-2026. The import and export analysis for the global Permanent Magnets market has been provided based on region.

### Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Permanent Magnets market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of volume for the period 2015-2026.

### Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global Permanent Magnets market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics

on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Permanent Magnets market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Permanent Magnets market.

The following manufacturers are covered in this report:

Hitachi Metals

TDK

Magnequench

FDK

Vacuumschmelze

Arnold

Philips

Cosmo Ferrites

Nicrra

Nec/Tokin

Tengam Engineering

DMEGC

JPMF Guangdong

Aerospace Magnet & Magneto

Sinomag Technology

Bgrimm Magnetic

Jinchuan Electronics

Tianyuan Technology

Kaiven Group

Golden South Magnetic

### Permanent Magnets Breakdown Data by Type

NdFeB magnet

Ferrite magnet

### Permanent Magnets Breakdown Data by Application

Auto industry

Household appliance industry

Computer acoustical product

Electronic toys

others

## Contents

### 1 STUDY COVERAGE

- 1.1 Permanent Magnets Product Introduction
- 1.2 Key Market Segments in This Study
- 1.3 Key Manufacturers Covered: Ranking of Global Top Permanent Magnets Manufacturers by Revenue in 2019
- 1.4 Market by Type
  - 1.4.1 Global Permanent Magnets Market Size Growth Rate by Type
  - 1.4.2 NdFeB magnet
  - 1.4.3 Ferrite magnet
- 1.5 Market by Application
  - 1.5.1 Global Permanent Magnets Market Size Growth Rate by Application
  - 1.5.2 Auto industry
  - 1.5.3 Household appliance industry
  - 1.5.4 Computer acoustical product
  - 1.5.5 Electronic toys
  - 1.5.6 others
- 1.6 Coronavirus Disease 2019 (Covid-19): Permanent Magnets Industry Impact
  - 1.6.1 How the Covid-19 is Affecting the Permanent Magnets Industry
    - 1.6.1.1 Permanent Magnets Business Impact Assessment - Covid-19
    - 1.6.1.2 Supply Chain Challenges
    - 1.6.1.3 COVID-19's Impact On Crude Oil and Refined Products
  - 1.6.2 Market Trends and Permanent Magnets Potential Opportunities in the COVID-19 Landscape
  - 1.6.3 Measures / Proposal against Covid-19
    - 1.6.3.1 Government Measures to Combat Covid-19 Impact
    - 1.6.3.2 Proposal for Permanent Magnets Players to Combat Covid-19 Impact
- 1.7 Study Objectives
- 1.8 Years Considered

### 2 EXECUTIVE SUMMARY

- 2.1 Global Permanent Magnets Market Size Estimates and Forecasts
  - 2.1.1 Global Permanent Magnets Revenue Estimates and Forecasts 2015-2026
  - 2.1.2 Global Permanent Magnets Production Capacity Estimates and Forecasts 2015-2026
  - 2.1.3 Global Permanent Magnets Production Estimates and Forecasts 2015-2026

2.2 Global Permanent Magnets Market Size by Producing Regions: 2015 VS 2020 VS 2026

2.3 Analysis of Competitive Landscape

2.3.1 Manufacturers Market Concentration Ratio (CR5 and HHI)

2.3.2 Global Permanent Magnets Market Share by Company Type (Tier 1, Tier 2 and Tier 3)

2.3.3 Global Permanent Magnets Manufacturers Geographical Distribution

2.4 Key Trends for Permanent Magnets Markets & Products

2.5 Primary Interviews with Key Permanent Magnets Players (Opinion Leaders)

### **3 MARKET SIZE BY MANUFACTURERS**

3.1 Global Top Permanent Magnets Manufacturers by Production Capacity

3.1.1 Global Top Permanent Magnets Manufacturers by Production Capacity (2015-2020)

3.1.2 Global Top Permanent Magnets Manufacturers by Production (2015-2020)

3.1.3 Global Top Permanent Magnets Manufacturers Market Share by Production

3.2 Global Top Permanent Magnets Manufacturers by Revenue

3.2.1 Global Top Permanent Magnets Manufacturers by Revenue (2015-2020)

3.2.2 Global Top Permanent Magnets Manufacturers Market Share by Revenue (2015-2020)

3.2.3 Global Top 10 and Top 5 Companies by Permanent Magnets Revenue in 2019

3.3 Global Permanent Magnets Price by Manufacturers

3.4 Mergers & Acquisitions, Expansion Plans

### **4 PERMANENT MAGNETS PRODUCTION BY REGIONS**

4.1 Global Permanent Magnets Historic Market Facts & Figures by Regions

4.1.1 Global Top Permanent Magnets Regions by Production (2015-2020)

4.1.2 Global Top Permanent Magnets Regions by Revenue (2015-2020)

4.2 North America

4.2.1 North America Permanent Magnets Production (2015-2020)

4.2.2 North America Permanent Magnets Revenue (2015-2020)

4.2.3 Key Players in North America

4.2.4 North America Permanent Magnets Import & Export (2015-2020)

4.3 Europe

4.3.1 Europe Permanent Magnets Production (2015-2020)

4.3.2 Europe Permanent Magnets Revenue (2015-2020)

4.3.3 Key Players in Europe

4.3.4 Europe Permanent Magnets Import & Export (2015-2020)

4.4 China

4.4.1 China Permanent Magnets Production (2015-2020)

4.4.2 China Permanent Magnets Revenue (2015-2020)

4.4.3 Key Players in China

4.4.4 China Permanent Magnets Import & Export (2015-2020)

4.5 Japan

4.5.1 Japan Permanent Magnets Production (2015-2020)

4.5.2 Japan Permanent Magnets Revenue (2015-2020)

4.5.3 Key Players in Japan

4.5.4 Japan Permanent Magnets Import & Export (2015-2020)

## **5 PERMANENT MAGNETS CONSUMPTION BY REGION**

5.1 Global Top Permanent Magnets Regions by Consumption

5.1.1 Global Top Permanent Magnets Regions by Consumption (2015-2020)

5.1.2 Global Top Permanent Magnets Regions Market Share by Consumption (2015-2020)

5.2 North America

5.2.1 North America Permanent Magnets Consumption by Application

5.2.2 North America Permanent Magnets Consumption by Countries

5.2.3 U.S.

5.2.4 Canada

5.3 Europe

5.3.1 Europe Permanent Magnets Consumption by Application

5.3.2 Europe Permanent Magnets Consumption by Countries

5.3.3 Germany

5.3.4 France

5.3.5 U.K.

5.3.6 Italy

5.3.7 Russia

5.4 Asia Pacific

5.4.1 Asia Pacific Permanent Magnets Consumption by Application

5.4.2 Asia Pacific Permanent Magnets Consumption by Regions

5.4.3 China

5.4.4 Japan

5.4.5 South Korea

5.4.6 India

5.4.7 Australia



- 5.4.8 Taiwan
- 5.4.9 Indonesia
- 5.4.10 Thailand
- 5.4.11 Malaysia
- 5.4.12 Philippines
- 5.4.13 Vietnam

## 5.5 Central & South America

- 5.5.1 Central & South America Permanent Magnets Consumption by Application
- 5.5.2 Central & South America Permanent Magnets Consumption by Country
- 5.5.3 Mexico
- 5.5.3 Brazil
- 5.5.3 Argentina

## 5.6 Middle East and Africa

- 5.6.1 Middle East and Africa Permanent Magnets Consumption by Application
- 5.6.2 Middle East and Africa Permanent Magnets Consumption by Countries
- 5.6.3 Turkey
- 5.6.4 Saudi Arabia
- 5.6.5 UAE

## **6 MARKET SIZE BY TYPE (2015-2026)**

### 6.1 Global Permanent Magnets Market Size by Type (2015-2020)

- 6.1.1 Global Permanent Magnets Production by Type (2015-2020)
- 6.1.2 Global Permanent Magnets Revenue by Type (2015-2020)
- 6.1.3 Permanent Magnets Price by Type (2015-2020)

### 6.2 Global Permanent Magnets Market Forecast by Type (2021-2026)

- 6.2.1 Global Permanent Magnets Production Forecast by Type (2021-2026)
- 6.2.2 Global Permanent Magnets Revenue Forecast by Type (2021-2026)
- 6.2.3 Global Permanent Magnets Price Forecast by Type (2021-2026)

### 6.3 Global Permanent Magnets Market Share by Price Tier (2015-2020): Low-End, Mid-Range and High-End

## **7 MARKET SIZE BY APPLICATION (2015-2026)**

### 7.2.1 Global Permanent Magnets Consumption Historic Breakdown by Application (2015-2020)

- 7.2.2 Global Permanent Magnets Consumption Forecast by Application (2021-2026)

## **8 CORPORATE PROFILES**

## 8.1 Hitachi Metals

8.1.1 Hitachi Metals Corporation Information

8.1.2 Hitachi Metals Overview and Its Total Revenue

8.1.3 Hitachi Metals Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.1.4 Hitachi Metals Product Description

8.1.5 Hitachi Metals Recent Development

## 8.2 TDK

8.2.1 TDK Corporation Information

8.2.2 TDK Overview and Its Total Revenue

8.2.3 TDK Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.2.4 TDK Product Description

8.2.5 TDK Recent Development

## 8.3 Magnequench

8.3.1 Magnequench Corporation Information

8.3.2 Magnequench Overview and Its Total Revenue

8.3.3 Magnequench Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.3.4 Magnequench Product Description

8.3.5 Magnequench Recent Development

## 8.4 FDK

8.4.1 FDK Corporation Information

8.4.2 FDK Overview and Its Total Revenue

8.4.3 FDK Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.4.4 FDK Product Description

8.4.5 FDK Recent Development

## 8.5 Vacuumschmelze

8.5.1 Vacuumschmelze Corporation Information

8.5.2 Vacuumschmelze Overview and Its Total Revenue

8.5.3 Vacuumschmelze Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.5.4 Vacuumschmelze Product Description

8.5.5 Vacuumschmelze Recent Development

## 8.6 Arnold

8.6.1 Arnold Corporation Information

8.6.2 Arnold Overview and Its Total Revenue

8.6.3 Arnold Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.6.4 Arnold Product Description

8.6.5 Arnold Recent Development

8.7 Philips

8.7.1 Philips Corporation Information

8.7.2 Philips Overview and Its Total Revenue

8.7.3 Philips Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.7.4 Philips Product Description

8.7.5 Philips Recent Development

8.8 Cosmo Ferrites

8.8.1 Cosmo Ferrites Corporation Information

8.8.2 Cosmo Ferrites Overview and Its Total Revenue

8.8.3 Cosmo Ferrites Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.8.4 Cosmo Ferrites Product Description

8.8.5 Cosmo Ferrites Recent Development

8.9 Nicrra

8.9.1 Nicrra Corporation Information

8.9.2 Nicrra Overview and Its Total Revenue

8.9.3 Nicrra Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.9.4 Nicrra Product Description

8.9.5 Nicrra Recent Development

8.10 Nec/Tokin

8.10.1 Nec/Tokin Corporation Information

8.10.2 Nec/Tokin Overview and Its Total Revenue

8.10.3 Nec/Tokin Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.10.4 Nec/Tokin Product Description

8.10.5 Nec/Tokin Recent Development

8.11 Tengam Engineering

8.11.1 Tengam Engineering Corporation Information

8.11.2 Tengam Engineering Overview and Its Total Revenue

8.11.3 Tengam Engineering Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.11.4 Tengam Engineering Product Description

8.11.5 Tengam Engineering Recent Development

## 8.12 DMEGC

8.12.1 DMEGC Corporation Information

8.12.2 DMEGC Overview and Its Total Revenue

8.12.3 DMEGC Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.12.4 DMEGC Product Description

8.12.5 DMEGC Recent Development

## 8.13 JPMF Guangdong

8.13.1 JPMF Guangdong Corporation Information

8.13.2 JPMF Guangdong Overview and Its Total Revenue

8.13.3 JPMF Guangdong Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.13.4 JPMF Guangdong Product Description

8.13.5 JPMF Guangdong Recent Development

## 8.14 Aerospace Magnet & Magneto

8.14.1 Aerospace Magnet & Magneto Corporation Information

8.14.2 Aerospace Magnet & Magneto Overview and Its Total Revenue

8.14.3 Aerospace Magnet & Magneto Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.14.4 Aerospace Magnet & Magneto Product Description

8.14.5 Aerospace Magnet & Magneto Recent Development

## 8.15 Sinomag Technology

8.15.1 Sinomag Technology Corporation Information

8.15.2 Sinomag Technology Overview and Its Total Revenue

8.15.3 Sinomag Technology Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.15.4 Sinomag Technology Product Description

8.15.5 Sinomag Technology Recent Development

## 8.16 Bgrimm Magnetic

8.16.1 Bgrimm Magnetic Corporation Information

8.16.2 Bgrimm Magnetic Overview and Its Total Revenue

8.16.3 Bgrimm Magnetic Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)

8.16.4 Bgrimm Magnetic Product Description

8.16.5 Bgrimm Magnetic Recent Development

## 8.17 Jinchuan Electronics

8.17.1 Jinchuan Electronics Corporation Information

8.17.2 Jinchuan Electronics Overview and Its Total Revenue

8.17.3 Jinchuan Electronics Production Capacity and Supply, Price, Revenue and

#### Gross Margin (2015-2020)

- 8.17.4 Jinchuan Electronics Product Description
- 8.17.5 Jinchuan Electronics Recent Development

#### 8.18 Tianyuan Technology

- 8.18.1 Tianyuan Technology Corporation Information
- 8.18.2 Tianyuan Technology Overview and Its Total Revenue
- 8.18.3 Tianyuan Technology Production Capacity and Supply, Price, Revenue and

#### Gross Margin (2015-2020)

- 8.18.4 Tianyuan Technology Product Description
- 8.18.5 Tianyuan Technology Recent Development

#### 8.19 Kaiven Group

- 8.19.1 Kaiven Group Corporation Information
- 8.19.2 Kaiven Group Overview and Its Total Revenue
- 8.19.3 Kaiven Group Production Capacity and Supply, Price, Revenue and Gross

#### Margin (2015-2020)

- 8.19.4 Kaiven Group Product Description
- 8.19.5 Kaiven Group Recent Development

#### 8.20 Golden South Magnetic

- 8.20.1 Golden South Magnetic Corporation Information
- 8.20.2 Golden South Magnetic Overview and Its Total Revenue
- 8.20.3 Golden South Magnetic Production Capacity and Supply, Price, Revenue and

#### Gross Margin (2015-2020)

- 8.20.4 Golden South Magnetic Product Description
- 8.20.5 Golden South Magnetic Recent Development

## **9 PRODUCTION FORECASTS BY REGIONS**

- 9.1 Global Top Permanent Magnets Regions Forecast by Revenue (2021-2026)
- 9.2 Global Top Permanent Magnets Regions Forecast by Production (2021-2026)
- 9.3 Key Permanent Magnets Production Regions Forecast
  - 9.3.1 North America
  - 9.3.2 Europe
  - 9.3.3 China
  - 9.3.4 Japan

## **10 PERMANENT MAGNETS CONSUMPTION FORECAST BY REGION**

- 10.1 Global Permanent Magnets Consumption Forecast by Region (2021-2026)
- 10.2 North America Permanent Magnets Consumption Forecast by Region (2021-2026)

- 10.3 Europe Permanent Magnets Consumption Forecast by Region (2021-2026)
- 10.4 Asia Pacific Permanent Magnets Consumption Forecast by Region (2021-2026)
- 10.5 Latin America Permanent Magnets Consumption Forecast by Region (2021-2026)
- 10.6 Middle East and Africa Permanent Magnets Consumption Forecast by Region (2021-2026)

## **11 VALUE CHAIN AND SALES CHANNELS ANALYSIS**

- 11.1 Value Chain Analysis
- 11.2 Sales Channels Analysis
  - 11.2.1 Permanent Magnets Sales Channels
  - 11.2.2 Permanent Magnets Distributors
- 11.3 Permanent Magnets Customers

## **12 MARKET OPPORTUNITIES & CHALLENGES, RISKS AND INFLUENCES FACTORS ANALYSIS**

- 12.1 Market Opportunities and Drivers
- 12.2 Market Challenges
- 12.3 Market Risks/Restraints
- 12.4 Porter's Five Forces Analysis

## **13 KEY FINDING IN THE GLOBAL PERMANENT MAGNETS STUDY**

## **14 APPENDIX**

- 14.1 Research Methodology
  - 14.1.1 Methodology/Research Approach
  - 14.1.2 Data Source
- 14.2 Author Details
- 14.3 Disclaimer

## List Of Tables

### LIST OF TABLES

- Table 1. Permanent Magnets Key Market Segments in This Study
- Table 2. Ranking of Global Top Permanent Magnets Manufacturers by Revenue (US\$ Million) in 2019
- Table 3. Global Permanent Magnets Market Size Growth Rate by Type 2020-2026 (K Units) (Million US\$)
- Table 4. Major Manufacturers of NdFeB magnet
- Table 5. Major Manufacturers of Ferrite magnet
- Table 6. COVID-19 Impact Global Market: (Four Permanent Magnets Market Size Forecast Scenarios)
- Table 7. Opportunities and Trends for Permanent Magnets Players in the COVID-19 Landscape
- Table 8. Present Opportunities in China & Elsewhere Due to the Coronavirus Crisis
- Table 9. Key Regions/Countries Measures against Covid-19 Impact
- Table 10. Proposal for Permanent Magnets Players to Combat Covid-19 Impact
- Table 11. Global Permanent Magnets Market Size Growth Rate by Application 2020-2026 (K Units)
- Table 12. Global Permanent Magnets Market Size by Region in US\$ Million: 2015 VS 2020 VS 2026
- Table 13. Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Global Permanent Magnets by Company Type (Tier 1, Tier 2 and Tier 3) (based on the Revenue in Permanent Magnets as of 2019)
- Table 15. Permanent Magnets Manufacturing Base Distribution and Headquarters
- Table 16. Manufacturers Permanent Magnets Product Offered
- Table 17. Date of Manufacturers Enter into Permanent Magnets Market
- Table 18. Key Trends for Permanent Magnets Markets & Products
- Table 19. Main Points Interviewed from Key Permanent Magnets Players
- Table 20. Global Permanent Magnets Production Capacity by Manufacturers (2015-2020) (K Units)
- Table 21. Global Permanent Magnets Production Share by Manufacturers (2015-2020)
- Table 22. Permanent Magnets Revenue by Manufacturers (2015-2020) (Million US\$)
- Table 23. Permanent Magnets Revenue Share by Manufacturers (2015-2020)
- Table 24. Permanent Magnets Price by Manufacturers 2015-2020 (USD/Unit)
- Table 25. Mergers & Acquisitions, Expansion Plans
- Table 26. Global Permanent Magnets Production by Regions (2015-2020) (K Units)
- Table 27. Global Permanent Magnets Production Market Share by Regions (2015-2020)

Table 28. Global Permanent Magnets Revenue by Regions (2015-2020) (US\$ Million)

Table 29. Global Permanent Magnets Revenue Market Share by Regions (2015-2020)

Table 30. Key Permanent Magnets Players in North America

Table 31. Import & Export of Permanent Magnets in North America (K Units)

Table 32. Key Permanent Magnets Players in Europe

Table 33. Import & Export of Permanent Magnets in Europe (K Units)

Table 34. Key Permanent Magnets Players in China

Table 35. Import & Export of Permanent Magnets in China (K Units)

Table 36. Key Permanent Magnets Players in Japan

Table 37. Import & Export of Permanent Magnets in Japan (K Units)

Table 38. Global Permanent Magnets Consumption by Regions (2015-2020) (K Units)

Table 39. Global Permanent Magnets Consumption Market Share by Regions (2015-2020)

Table 40. North America Permanent Magnets Consumption by Application (2015-2020) (K Units)

Table 41. North America Permanent Magnets Consumption by Countries (2015-2020) (K Units)

Table 42. Europe Permanent Magnets Consumption by Application (2015-2020) (K Units)

Table 43. Europe Permanent Magnets Consumption by Countries (2015-2020) (K Units)

Table 44. Asia Pacific Permanent Magnets Consumption by Application (2015-2020) (K Units)

Table 45. Asia Pacific Permanent Magnets Consumption Market Share by Application (2015-2020) (K Units)

Table 46. Asia Pacific Permanent Magnets Consumption by Regions (2015-2020) (K Units)

Table 47. Latin America Permanent Magnets Consumption by Application (2015-2020) (K Units)

Table 48. Latin America Permanent Magnets Consumption by Countries (2015-2020) (K Units)

Table 49. Middle East and Africa Permanent Magnets Consumption by Application (2015-2020) (K Units)

Table 50. Middle East and Africa Permanent Magnets Consumption by Countries (2015-2020) (K Units)

Table 51. Global Permanent Magnets Production by Type (2015-2020) (K Units)

Table 52. Global Permanent Magnets Production Share by Type (2015-2020)

Table 53. Global Permanent Magnets Revenue by Type (2015-2020) (Million US\$)

Table 54. Global Permanent Magnets Revenue Share by Type (2015-2020)

Table 55. Permanent Magnets Price by Type 2015-2020 (USD/Unit)



Table 56. Global Permanent Magnets Consumption by Application (2015-2020) (K Units)

Table 57. Global Permanent Magnets Consumption by Application (2015-2020) (K Units)

Table 58. Global Permanent Magnets Consumption Share by Application (2015-2020)

Table 59. Hitachi Metals Corporation Information

Table 60. Hitachi Metals Description and Major Businesses

Table 61. Hitachi Metals Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 62. Hitachi Metals Product

Table 63. Hitachi Metals Recent Development

Table 64. TDK Corporation Information

Table 65. TDK Description and Major Businesses

Table 66. TDK Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 67. TDK Product

Table 68. TDK Recent Development

Table 69. Magnequench Corporation Information

Table 70. Magnequench Description and Major Businesses

Table 71. Magnequench Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 72. Magnequench Product

Table 73. Magnequench Recent Development

Table 74. FDK Corporation Information

Table 75. FDK Description and Major Businesses

Table 76. FDK Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 77. FDK Product

Table 78. FDK Recent Development

Table 79. Vacuumschmelze Corporation Information

Table 80. Vacuumschmelze Description and Major Businesses

Table 81. Vacuumschmelze Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 82. Vacuumschmelze Product

Table 83. Vacuumschmelze Recent Development

Table 84. Arnold Corporation Information

Table 85. Arnold Description and Major Businesses

Table 86. Arnold Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

- Table 87. Arnold Product
- Table 88. Arnold Recent Development
- Table 89. Philips Corporation Information
- Table 90. Philips Description and Major Businesses
- Table 91. Philips Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 92. Philips Product
- Table 93. Philips Recent Development
- Table 94. Cosmo Ferrites Corporation Information
- Table 95. Cosmo Ferrites Description and Major Businesses
- Table 96. Cosmo Ferrites Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 97. Cosmo Ferrites Product
- Table 98. Cosmo Ferrites Recent Development
- Table 99. Nicrra Corporation Information
- Table 100. Nicrra Description and Major Businesses
- Table 101. Nicrra Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 102. Nicrra Product
- Table 103. Nicrra Recent Development
- Table 104. Nec/Tokin Corporation Information
- Table 105. Nec/Tokin Description and Major Businesses
- Table 106. Nec/Tokin Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 107. Nec/Tokin Product
- Table 108. Nec/Tokin Recent Development
- Table 109. Tengam Engineering Corporation Information
- Table 110. Tengam Engineering Description and Major Businesses
- Table 111. Tengam Engineering Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 112. Tengam Engineering Product
- Table 113. Tengam Engineering Recent Development
- Table 114. DMEGC Corporation Information
- Table 115. DMEGC Description and Major Businesses
- Table 116. DMEGC Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 117. DMEGC Product
- Table 118. DMEGC Recent Development
- Table 119. JPMF Guangdong Corporation Information

- Table 120. JPMF Guangdong Description and Major Businesses
- Table 121. JPMF Guangdong Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 122. JPMF Guangdong Product
- Table 123. JPMF Guangdong Recent Development
- Table 124. Aerospace Magnet & Magneto Corporation Information
- Table 125. Aerospace Magnet & Magneto Description and Major Businesses
- Table 126. Aerospace Magnet & Magneto Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 127. Aerospace Magnet & Magneto Product
- Table 128. Aerospace Magnet & Magneto Recent Development
- Table 129. Sinomag Technology Corporation Information
- Table 130. Sinomag Technology Description and Major Businesses
- Table 131. Sinomag Technology Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 132. Sinomag Technology Product
- Table 133. Sinomag Technology Recent Development
- Table 134. Bgrimm Magnetic Corporation Information
- Table 135. Bgrimm Magnetic Description and Major Businesses
- Table 136. Bgrimm Magnetic Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 137. Bgrimm Magnetic Product
- Table 138. Bgrimm Magnetic Recent Development
- Table 139. Jinchuan Electronics Corporation Information
- Table 140. Jinchuan Electronics Description and Major Businesses
- Table 141. Jinchuan Electronics Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 142. Jinchuan Electronics Product
- Table 143. Jinchuan Electronics Recent Development
- Table 144. Tianyuan Technology Corporation Information
- Table 145. Tianyuan Technology Description and Major Businesses
- Table 146. Tianyuan Technology Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)
- Table 147. Tianyuan Technology Product
- Table 148. Tianyuan Technology Recent Development
- Table 149. Kaiven Group Corporation Information
- Table 150. Kaiven Group Description and Major Businesses
- Table 151. Kaiven Group Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 152. Kaiven Group Product

Table 153. Kaiven Group Recent Development

Table 154. Golden South Magnetic Corporation Information

Table 155. Golden South Magnetic Description and Major Businesses

Table 156. Golden South Magnetic Permanent Magnets Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 157. Golden South Magnetic Product

Table 158. Golden South Magnetic Recent Development

Table 159. Global Permanent Magnets Revenue Forecast by Region (2021-2026) (Million US\$)

Table 160. Global Permanent Magnets Production Forecast by Regions (2021-2026) (K Units)

Table 161. Global Permanent Magnets Production Forecast by Type (2021-2026) (K Units)

Table 162. Global Permanent Magnets Revenue Forecast by Type (2021-2026) (Million US\$)

Table 163. North America Permanent Magnets Consumption Forecast by Regions (2021-2026) (K Units)

Table 164. Europe Permanent Magnets Consumption Forecast by Regions (2021-2026) (K Units)

Table 165. Asia Pacific Permanent Magnets Consumption Forecast by Regions (2021-2026) (K Units)

Table 166. Latin America Permanent Magnets Consumption Forecast by Regions (2021-2026) (K Units)

Table 167. Middle East and Africa Permanent Magnets Consumption Forecast by Regions (2021-2026) (K Units)

Table 168. Permanent Magnets Distributors List

Table 169. Permanent Magnets Customers List

Table 170. Key Opportunities and Drivers: Impact Analysis (2021-2026)

Table 171. Key Challenges

Table 172. Market Risks

Table 173. Research Programs/Design for This Report

Table 174. Key Data Information from Secondary Sources

Table 175. Key Data Information from Primary Sources

## List Of Figures

### LIST OF FIGURES

- Figure 1. Permanent Magnets Product Picture
- Figure 2. Global Permanent Magnets Production Market Share by Type in 2020 & 2026
- Figure 3. NdFeB magnet Product Picture
- Figure 4. Ferrite magnet Product Picture
- Figure 5. Global Permanent Magnets Consumption Market Share by Application in 2020 & 2026
- Figure 6. Auto industry
- Figure 7. Household appliance industry
- Figure 8. Computer acoustical product
- Figure 9. Electronic toys
- Figure 10. others
- Figure 11. Permanent Magnets Report Years Considered
- Figure 12. Global Permanent Magnets Revenue 2015-2026 (Million US\$)
- Figure 13. Global Permanent Magnets Production Capacity 2015-2026 (K Units)
- Figure 14. Global Permanent Magnets Production 2015-2026 (K Units)
- Figure 15. Global Permanent Magnets Market Share Scenario by Region in Percentage: 2020 Versus 2026
- Figure 16. Permanent Magnets Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2015 VS 2019
- Figure 17. Global Permanent Magnets Production Share by Manufacturers in 2015
- Figure 18. The Top 10 and Top 5 Players Market Share by Permanent Magnets Revenue in 2019
- Figure 19. Global Permanent Magnets Production Market Share by Region (2015-2020)
- Figure 20. Permanent Magnets Production Growth Rate in North America (2015-2020) (K Units)
- Figure 21. Permanent Magnets Revenue Growth Rate in North America (2015-2020) (US\$ Million)
- Figure 22. Permanent Magnets Production Growth Rate in Europe (2015-2020) (K Units)
- Figure 23. Permanent Magnets Revenue Growth Rate in Europe (2015-2020) (US\$ Million)
- Figure 24. Permanent Magnets Production Growth Rate in China (2015-2020) (K Units)
- Figure 25. Permanent Magnets Revenue Growth Rate in China (2015-2020) (US\$ Million)
- Figure 26. Permanent Magnets Production Growth Rate in Japan (2015-2020) (K Units)

Figure 27. Permanent Magnets Revenue Growth Rate in Japan (2015-2020) (US\$ Million)

Figure 28. Global Permanent Magnets Consumption Market Share by Regions 2015-2020

Figure 29. North America Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 30. North America Permanent Magnets Consumption Market Share by Application in 2019

Figure 31. North America Permanent Magnets Consumption Market Share by Countries in 2019

Figure 32. U.S. Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 33. Canada Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 34. Europe Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 35. Europe Permanent Magnets Consumption Market Share by Application in 2019

Figure 36. Europe Permanent Magnets Consumption Market Share by Countries in 2019

Figure 37. Germany Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 38. France Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 39. U.K. Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 40. Italy Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 41. Russia Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 42. Asia Pacific Permanent Magnets Consumption and Growth Rate (K Units)

Figure 43. Asia Pacific Permanent Magnets Consumption Market Share by Application in 2019

Figure 44. Asia Pacific Permanent Magnets Consumption Market Share by Regions in 2019

Figure 45. China Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 46. Japan Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

- Figure 47. South Korea Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 48. India Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 49. Australia Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 50. Taiwan Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 51. Indonesia Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 52. Thailand Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 53. Malaysia Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 54. Philippines Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 55. Vietnam Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 56. Latin America Permanent Magnets Consumption and Growth Rate (K Units)
- Figure 57. Latin America Permanent Magnets Consumption Market Share by Application in 2019
- Figure 58. Latin America Permanent Magnets Consumption Market Share by Countries in 2019
- Figure 59. Mexico Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 60. Brazil Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 61. Argentina Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 62. Middle East and Africa Permanent Magnets Consumption and Growth Rate (K Units)
- Figure 63. Middle East and Africa Permanent Magnets Consumption Market Share by Application in 2019
- Figure 64. Middle East and Africa Permanent Magnets Consumption Market Share by Countries in 2019
- Figure 65. Turkey Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)
- Figure 66. Saudi Arabia Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 67. UAE Permanent Magnets Consumption and Growth Rate (2015-2020) (K Units)

Figure 68. Global Permanent Magnets Production Market Share by Type (2015-2020)

Figure 69. Global Permanent Magnets Production Market Share by Type in 2019

Figure 70. Global Permanent Magnets Revenue Market Share by Type (2015-2020)

Figure 71. Global Permanent Magnets Revenue Market Share by Type in 2019

Figure 72. Global Permanent Magnets Production Market Share Forecast by Type (2021-2026)

Figure 73. Global Permanent Magnets Revenue Market Share Forecast by Type (2021-2026)

Figure 74. Global Permanent Magnets Market Share by Price Range (2015-2020)

Figure 75. Global Permanent Magnets Consumption Market Share by Application (2015-2020)

Figure 76. Global Permanent Magnets Value (Consumption) Market Share by Application (2015-2020)

Figure 77. Global Permanent Magnets Consumption Market Share Forecast by Application (2021-2026)

Figure 78. Hitachi Metals Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 79. TDK Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 80. Magnequench Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 81. FDK Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 82. Vacuumschmelze Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 83. Arnold Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 84. Philips Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 85. Cosmo Ferrites Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 86. Nicrra Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 87. Nec/Tokin Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 88. Tengam Engineering Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 89. DMEGC Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 90. JPMF Guangdong Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 91. Aerospace Magnet & Magneto Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 92. Sinomag Technology Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 93. Bgrimm Magnetic Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 94. Jinchuan Electronics Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 95. Tianyuan Technology Total Revenue (US\$ Million): 2019 Compared with



2018

Figure 96. Kaiven Group Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 97. Golden South Magnetic Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 98. Global Permanent Magnets Revenue Forecast by Regions (2021-2026) (US\$ Million)

Figure 99. Global Permanent Magnets Revenue Market Share Forecast by Regions ((2021-2026))

Figure 100. Global Permanent Magnets Production Forecast by Regions (2021-2026) (K Units)

Figure 101. North America Permanent Magnets Production Forecast (2021-2026) (K Units)

Figure 102. North America Permanent Magnets Revenue Forecast (2021-2026) (US\$ Million)

Figure 103. Europe Permanent Magnets Production Forecast (2021-2026) (K Units)

Figure 104. Europe Permanent Magnets Revenue Forecast (2021-2026) (US\$ Million)

Figure 105. China Permanent Magnets Production Forecast (2021-2026) (K Units)

Figure 106. China Permanent Magnets Revenue Forecast (2021-2026) (US\$ Million)

Figure 107. Japan Permanent Magnets Production Forecast (2021-2026) (K Units)

Figure 108. Japan Permanent Magnets Revenue Forecast (2021-2026) (US\$ Million)

Figure 109. Global Permanent Magnets Consumption Market Share Forecast by Region (2021-2026)

Figure 110. Permanent Magnets Value Chain

Figure 111. Channels of Distribution

Figure 112. Distributors Profiles

Figure 113. Porter's Five Forces Analysis

Figure 114. Bottom-up and Top-down Approaches for This Report

Figure 115. Data Triangulation

Figure 116. Key Executives Interviewed

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