

# **Global Permanent Magnets Market by Material Type (Ferrite, NdFeb, SmCo, and Alnico), by Applications (Aerospace & Defense, Automotive, Consumer Electronics, Energy, Industrial, Medical, and Others), by Sales Channel (Direct Sales and Distributors), by Region (North America, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2016 – 2021**

<https://marketpublishers.com/r/G5E5310FF25EN.html>

Date: May 2024

Pages: 0

Price: US\$ 4,290.00 (Single User License)

ID: G5E5310FF25EN

## **Abstracts**

This is the ONGOING report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the global permanent magnets market over the period 2010 to 2021. The report provides detailed insights on the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

### **The Global Permanent Magnets Market: Highlights**

The global permanent magnets market offers a good growth opportunity and is likely to grow with 6.5% CAGR during the forecast period of 2016 to 2021. Increasing automotive production and increasing use of permanent magnets in the consumer electronics, such as HDD, CD, and DVD applications are the key drivers of the global permanent magnets market. Another prime driver for the future growth is the growing renewable energy (wind turbines and solar photovoltaic) and increasing production of the electric & hybrid vehicles.

The global permanent magnets market is likely to witness significant changes in the coming years. New sources of supply are scheduled to be developed across the globe. China, which is the major producer of permanent magnets worldwide, is witnessing consolidation by state owned enterprises. China owns the largest reserves of the permanent magnets worldwide and is a low cost producer of the permanent magnets. China will continue to remain the largest producer during the forecast period.

Ferrite magnet is a low magnetic energy product and suitable for low temperature applications. It alone accounted for more than 70% of the global permanent magnets market (on volume basis) serving most of the major applications, such as stator in the wind energy, engine and battery components in the automotive industry. It has lower price than other magnet types (Alnico, NdFeB, and SmCo).

NdFeB is likely to experience the fastest growth in the next five years, driven mainly by consumer electronics, standard automotive applications, and electric and hybrid vehicles. NdFeB is preferred in the engine components, battery components, moving car parts, HDD of consumer electronics and other integral systems. China and Japan together produce more than 95% of the global NdFeB supply.

Automotive industry is expected to remain the largest consumer of the permanent magnets during the forecast period. It accounted for 55% of the global permanent magnets market in 2015. Permanent magnets are used in engine components, battery components, moving car parts, and other integral systems. Energy segment is expected to witness the fastest growth in the next five years driven by demand of renewable energy across globe. All the major countries have set renewable energy targets and are continuously pushing harder to meet the renewable energy targets.

Asia-Pacific occupied three fourth of the global permanent magnets market in 2015. It is expected to remain the largest market for the permanent magnets during the forecast period. China is the leading producer as well as consumer of the permanent magnets worldwide.

There is presence of small to large scale producers of the permanent magnets in China and worldwide. The key permanent magnet manufacturers are Molycorp Magnequench, Hangzhou Permanent Magnet Group, Shin-Etsu Chemical Co. Ltd, Anhui Earth-Panda Advance Magnetic Material Co. Ltd, Adams Magnetic Products Co., and Hitachi Metals Ltd.

## **Research Methodology**

This report offers high quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 2,000 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. More than 20 detailed primary interviews with the market players across the value chain in the all four regions and industry experts have been executed to obtain both the qualitative and quantitative insights.

## **Report Features**

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

Market structure: Overview, industry life cycle analysis, supply chain analysis

Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis

Market trend and forecast analysis

Market segment trend and forecast

Competitive landscape and dynamics: Market share, product portfolio, product launches, etc.

Attractive market segments and associated growth opportunities

Emerging trends

Strategic growth opportunities for the existing and new players

Key success factors

The global permanent magnets market is segmented into the following categories.

#### Global Permanent Magnets Market by Material Type:

Ferrite

Neo (NdFeb)

SmCo

Alnico

#### Global Permanent Magnets Market by End Use Industry:

Aerospace & Defense

Automotive

Consumer Electronics

Energy

Industrial

Medical

Others

#### Global Synthetic Graphite Market by Sales Channel:

Direct Sales

Distributors

#### Global Permanent Magnets Market by Region:

North America

Europe

Asia – Pacific

Rest of the World

### Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients:

#### Company Profiling

Detailed profiling of additional market players (up to 3)

SWOT analysis of key players (up to 3)

#### Geographic Analysis

Further segmentation of Asia-Pacific into China, India, and Rest of Asia Pacific

#### Regional Segmentation

Current market segmentation of any one of the regions by material type

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- 10.14. Shin-Etsu Chemical Co. Ltd
- 10.15. TDK Corporation
- 10.16. Tengam Engineering Inc.

10.17. Thomas & Skinner Inc.

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