

Global Permanent Magnets Market Research Report 2022 Professional Edition

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Abstracts

The global Permanent Magnets market was valued at 3429.22 Million USD in 2021 and will grow with a CAGR of .82% from 2021 to 2027, based on HNY Research newly published report.

The prime objective of this report is to provide the insights on the post COVID-19 impact which will help market players in this field evaluate their business approaches. Also, this report covers market segmentation by major market vendors, types, applications/end users and geography(North America, East Asia, Europe, South Asia, Southeast Asia, Middle East, Africa, Oceania, South America).

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 (Fe_3O_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.

By Market Vendors:

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

By Types:

NdFeB Magnet

Ferrite Magnet

By Applications:

Auto Industry

Household Appliance Industry

Computer Acoustical Product

Electronic Toys

Key Indicators Analysed

Market Players & Competitor Analysis: The report covers the key players of the industry including Company Profile, Product Specifications, Production Capacity/Sales, Revenue, Price and Gross Margin 2016-2027 & Sales with a thorough analysis of the market's competitive landscape and detailed information on vendors and comprehensive details of factors that will challenge the growth of major market vendors.

Global and Regional Market Analysis: The report includes Global & Regional market status and outlook 2016-2027. Further the report provides break down details about each region & countries covered in the report. Identifying its sales, sales volume & revenue forecast. With detailed analysis by types and applications.

Market Trends: Market key trends which include Increased Competition and Continuous Innovations.

Opportunities and Drivers: Identifying the Growing Demands and New Technology

Porters Five Force Analysis: The report provides with the state of competition in industry depending on five basic forces: threat of new entrants, bargaining power of suppliers, bargaining power of buyers, threat of substitute products or services, and existing industry rivalry.

Key Reasons to Purchase

To gain insightful analyses of the market and have comprehensive understanding of the global market and its commercial landscape.

Assess the production processes, major issues, and solutions to mitigate the development risk.

To understand the most affecting driving and restraining forces in the market and its impact in the global market.

Learn about the market strategies that are being adopted by leading respective organizations.

To understand the future outlook and prospects for the market.

Besides the standard structure reports, we also provide custom research according to specific requirements

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