Permanent Magnets: Technologies and Global Markets

Description: This report provides an up-to-date analysis of recent developments and current trends in the global permanent magnet market and quantifies the projected impact of both internal and external forces that are affecting the global permanent magnet market today and will affect the market for the next several years. Forecast given for the period 2015 to 2020.

This report provides:
- An overview of the global permanent magnet industry, with focus on rare earth-based permanent magnets, namely neodymium-iron-boron (NdFeB) and samarium cobalt (SmCo) magnets, along with ferrite and aluminum-nickel-cobalt (AlNiCo) magnets
- Analyses of global market trends, with data from 2014, 2015, and projections of compound annual growth rates (CAGRs) through 2020
- An overview of the value chains of the four types of permanent magnets, along with analysis on the various end-use industries that consume permanent magnets on a global scale
- Identification of new applications for permanent magnet materials, such as those for electronics and computers
- A detailed price forecast of key rare earths used in permanent magnet production using regression analysis
- Discussion of technological issues, trends in manufacturing, U.S. markets as well as foreign competition, and end users of permanent magnets
- A relevant patent analysis
- Profiles of major players in the market

Scope of the report:

The scope of this report is broad and covers several types of permanent magnets used globally; it is broken down into four major types based on the magnetic material used in production, which includes alnico, neodymium, samarium-cobalt and ferrite. Each type is further divided on the basis of production process, which primarily includes sintering and bonding. The major applications of permanent magnets are in electric motors, generators, medical devices, sonic equipment, magnetic sensors and transducers, and consumer electronics. The market for each type of permanent magnet in these applications and the market for each type of permanent magnet by region is also covered in this report. Additional breakdowns on the basis of global consumption in each end-user industry, which includes automotive, industrial, medical and home appliances, are also covered. The revenue forecasts from 2015 to 2020 are explained for each major type of permanent magnet by production process, applications and region, as well as each of their applications by region.

The report also includes discussion on major players across each of the subsegments; it explains the major market drivers for the global permanent magnet market, the current trends within the industry and major end-user industries for the global permanent magnet market.

Highlights:
- The global permanent magnet market is expected to grow from nearly $13.4 billion in 2015 to roughly $20 billion by 2020, with a compound annual growth rate (CAGR) of 8.4% for the period of 2015-2020.
- The neodymium magnet market will grow from $7.0 billion in 2015 to $10.7 billion by 2020 with a CAGR of 9.0% for the period of 2015-2020.
- The ferrite magnet market will grow from $5.8 billion in 2015 to $8.6 billion by 2020 with a CAGR of 8.3% for the period of 2015-2020.

Use this report to:
- Gain information about the global consumption of permanent magnets in automotive, industrial, medical and home appliances industries.
- Gain information about the current trends within the industry and major end-user industries for the global
- Analyze the supplier landscape in the field of permanent magnets.

Intended Audience:

This report is intended especially for manufacturers, suppliers, end users and others in the value chain, with a vital interest in specific types of permanent magnets and market segments. The report should also be of interest to industries such as automotive, healthcare, renewal energy, aerospace and defense, and consumer electronics. In addition, because of this report's business focus, it will be useful to sales executives and business managers as an up-to-date guide that includes challenges and trends that are expected to be significant factors in the current and future markets.

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- HPMG (Hangzhou Permanent Magnet Group)
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