

# 2018-2023 Global Magnetic Particle Consumption Market Report

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## Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Magnetic Particle market for 2018-2023.

### Ferrites

Commonly known as Ceramics, have been in production since the 1950's. They are primarily made from Iron Oxide (FeO) and the addition of Sr and Ba through a calcining process. They are the least expensive and most common of all magnet materials. Primary grades are C1, C5 and C8. They are mostly used in motors and sensors.

Magnetic ferrite powder are suitable for producing different grades of hard ferrite magnets by wet pressing or dry pressing production process. According to the needs of clients, we could supply the magnetic ferrite powders in different granularity, The magnetic ferrite powder can be classified as isotropic magnetic ferrite powder and anisotropic magnetic ferrite powder.

### Alnico

These are one of the oldest commercially available magnets and have been developed from earlier versions of magnetic steels. Primary composition is Al, Ni and Co, hence the name. Although they have a high remanent induction, they have relatively low magnetic values because of their easy of demagnetization. However, they are resistant to heat and have good mechanical features. Common applications are in measuring instruments and high temperature processes such as holding devices in heat treat

furnaces.

AlNiCo magnetic powder is made of AlNiCo magnet and through cracked it into required particle size. The character is temperature coefficient of Br is small. The powder mainly used in raw material of bonded magnet, plastic magnet; all kinds of SmCo fault detection; magnetic printing and other highly temperature sensitivity fields.

### Samarium Cobalt

They belong to the rare earth family because of the Sm and Co elements in their composition. Magnetic properties are high and they have very good temperature characteristics. They are also more expensive than the other magnet materials. They come mostly in two grades: SmCo<sub>5</sub> and Sm<sub>2</sub>Co<sub>17</sub>, also known as SmCo 1:5 and 2:17. Common uses are in aerospace, military and medical industries.

SmCo Powder Samarium Cobalt powder SmCo magnetic powder Rare Earth Magnet powder use for producing Polymer bonded SmCo magnets by compressing moulding.

### Neodymium(NdFeB)

Also known as Neo, these are the strongest and most controversial magnets. They are in the rare earth family because of the Nd, B, Dy, Gaelements in their composition. A relatively new group of commercial magnets, they are controversial because they are the only magnets that have been patented for both composition and processing. The patent and licensing issues are important and will be discussed later in this guide.

Neodymium magnet powder can be used to the automobile industry, office automation, automotive. DC brush-type motors. multi-pole stepper and spindle motor applications. Magnetic paints, magnetic printable substrates, magnetic films, medical diagnostics and therapeutics, video tape, copy toners, fingerprinting, sensors, fuel injectors, permanent magnets, nano level fluid sealing, electric toys and magnetic curing products, etc.

Since Ferrites Magnetic Particle and Neodymium(NdFeB) Magnetic Particle are the most commonly used magnetic raw materials, this report mainly focuses on these two products.

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Since Ferrites Magnetic Particle and Neodymium(NdFeB) Magnetic Particle are the most commonly used magnetic raw materials, this report mainly focuses on these two products.

Demand is driven by demographics and the health of the economy. The profitability of individual companies depends on their ability to bid accurately, secure contracts, and control costs. Large companies enjoy economies of scale in financing and the ability to offer a broad range of services in many locations. Smaller companies can compete effectively by specializing in particular services or focusing on a certain geography.

China domestic Magnetic Particle industry developed fast, which accounts for almost 89% of total NdFeB Magnetic Particle production and 82% of Ferrites Magnetic Particle production. Though Chinese companies have low price advantage, the quality of domestic products is relatively poor.

Over the next five years, LPI(LP Information) projects that Magnetic Particle will register a 3.2% CAGR in terms of revenue, reach US\$ 1650 million by 2023, from US\$ 1370 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Magnetic Particle market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Ferrites

Neodymium(NdFeB)

Segmentation by application:

Auto Industry

Household Appliance Industry

Computer Industry

Electronic Toys

Electroacoustic Product

Military Application

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

MQI

Aichi Steel

Zhao Ri Ke

Galaxy Magnets

Yuhong

Huiling

Western Magnet

San Huan

Hoosier Magnetics

Todakogyo

HIMAG

DMEGC Magnetics

Zhejiang Ante

Maanshan CY

BGRIMM Magnetic

Shunde Baling

MGC

Comc Technology

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future

development.

## Research objectives

To study and analyze the global Magnetic Particle consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Magnetic Particle market by identifying its various subsegments.

Focuses on the key global Magnetic Particle manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Magnetic Particle with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Magnetic Particle submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.



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