



Your partner in magnetic solution

Speed
Dedication
Motivation

www.magnet-sdm.com



SDM Magnetism Co., Ltd is one of the most integrative magnet manufacturers in China. We have been specialized in magnet producing more than 10 years. We are a national level hi-tech enterprise not only for magnets but also for magnetic solutions.

- Total about 200 employees including 130 production workers, 30 QC and 20 engineers. The factory area is 26,000 m².
- Product ranges: Sintered and Bonded NdFeb magnets, Plastic Ferrite magnets, AlNiCo magnets, SmCo magnets and magnetic assemblies.
- Capacity: 1000 tons of NdFeB, 500 tons of AlNiCo, 200 tons of SmCo.
- Our core competences: certificates of TS16949, ISO14001, ISO9001, RoHS and patent of ZL 2005 1 0061461.0.
- Our strengths: Strategic cooperation with NO.1 rare earth miner CHINALCO.

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2 Turnover

3 Markets

4 Products



History

2004: Alnico production line established

2005: Bonded NdFeB and Ferrite production line established

2007: Sintered NdFeB production line established

2011: Soft Magnet production line established

2012: SmCo production line established

2014: Motor stator and rotor production line established

1 Company Profile

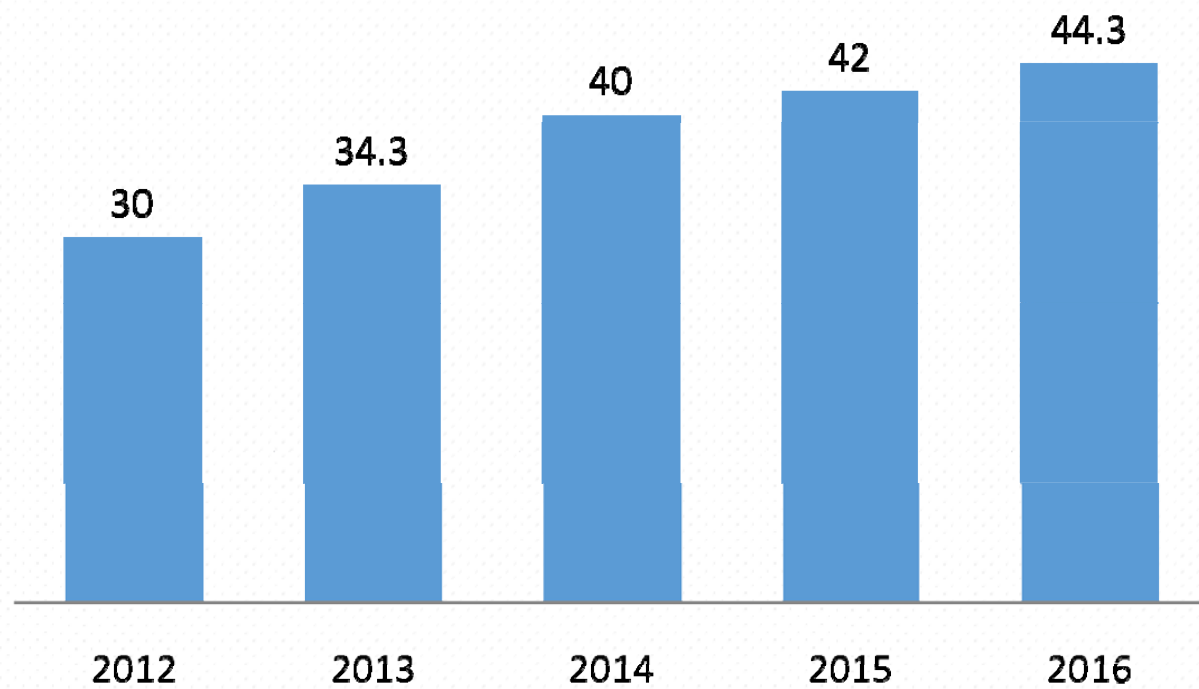
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Unit: million USD

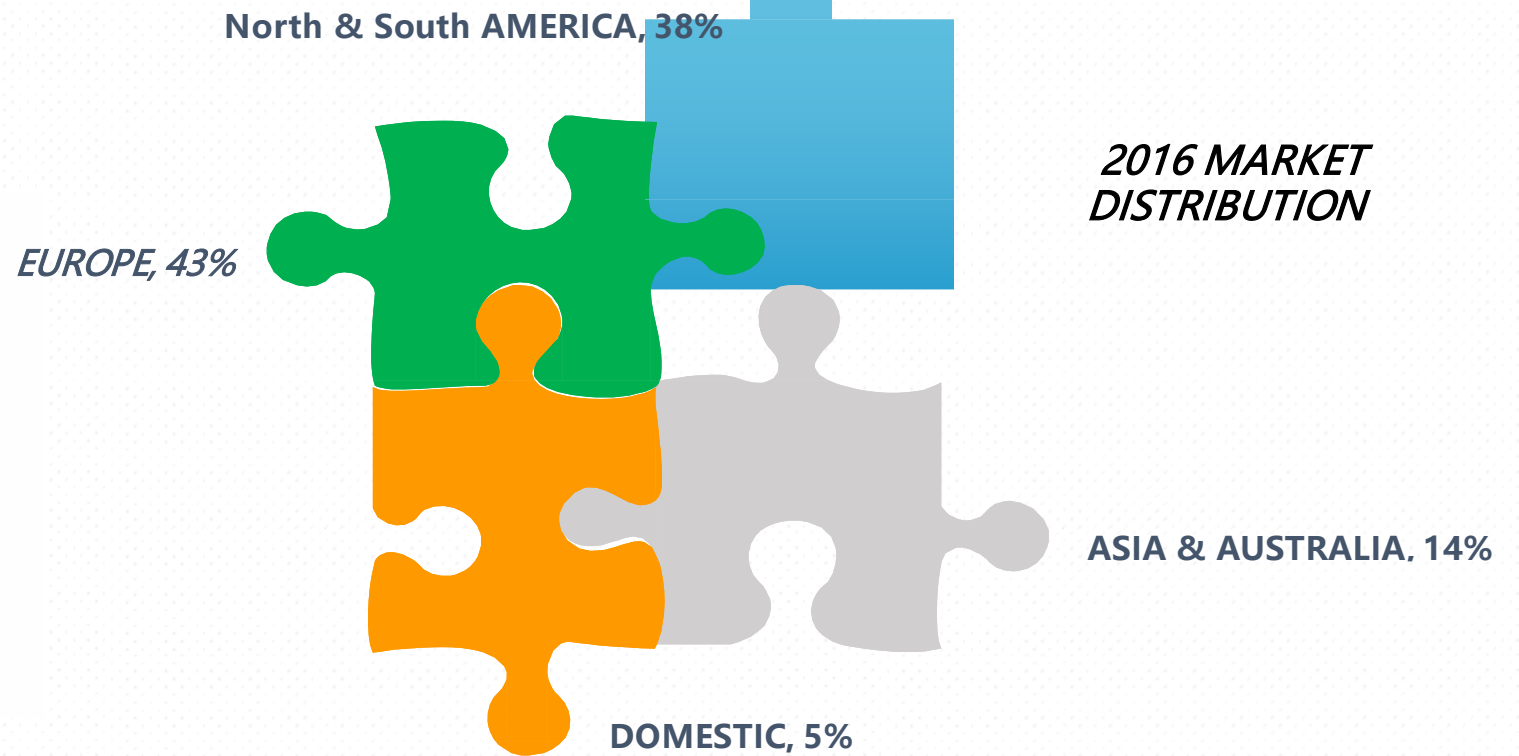


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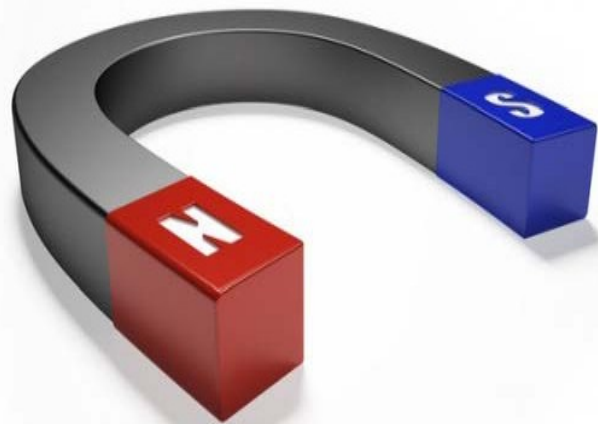


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Sintered NdFeB

Bonded NdFeB

Cast & Sintered Alnico

Sintered SmCo

Magnetic System

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Sintered NdFeB

Main Features

1. High corrosion resistance and low weight loss products

USA PCT: $121 \pm 1^\circ\text{C}$, 2 atm, 95% RH, 96 hours, weight loss less than $5 \sim 10 \text{ mg/cm}^2$

Europe HAST: $130 \pm 2^\circ\text{C}$, 3 atm, 95% RH, 168 hours, weight loss less than $2 \sim 5 \text{ mg/cm}^2$

2. High temperature stability products

With higher H_{cj} value, these magnets are more stable during high temperature. The tests show that the maximum permanent loss after aging is 5%.



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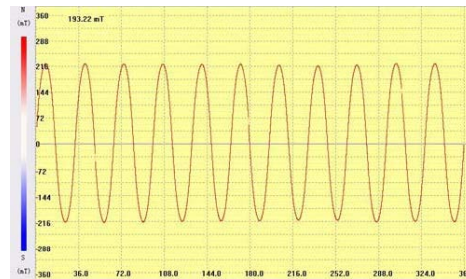
4 Products



Bonded NdFeB

Main Features

1. Bonded NdFeB can be of complex shapes and come off the tool with tight tolerances.
2. Bonded NdFeB can be divided into Compression Molding NdFeB and Injection Molding NdFeB according to the processing methods.
3. Multi-poles magnet:



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Cast & Sintered Alnico

Main Features

1. AlNiCo magnets, including cast AlNiCo and sintered AlNiCo, have the vast range of complex shapes and sizes at economical cost. They are also ideal for high temperature applications up to 550 °C.
2. Alnico magnets are applied to automobile parts, instruments, audio apparatus, electronic motors, educational equipments and aerospace equipments.



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Sintered SmCo

Main Features

1. Good temperature stability (maximum working temperature is between 250 and 350 °C and the curie temperatures is from 700 to 800 °C).
2. The change of flux density of sintered SmCo magnets can be lower than 5% per 100°C (in the range of 25–250°C).
3. Main characteristics :

Material	(BH)max (MGOe)	Hcj (kOe)	Temp. Coefficient of Br (%/°C)	Max Working Temp.(°C)	Anti- corrosion
SmCo5	16-25	15-25	-0.05	200-250	Good
Sm2Co17	22-30	6-30	-0.03	300-350	Good



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Magnetic System

Assembly Lines



With the experience in producing permanent magnets, we are able to offer the favorable magnetic systems to satisfy the customer's industrial use.



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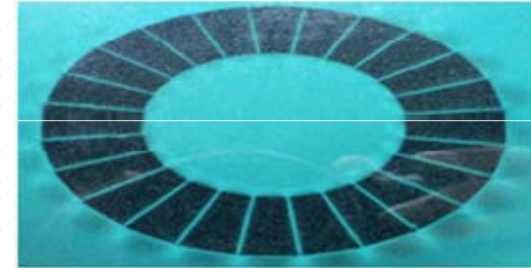
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Production Lines



Inspection





Main Customers



SIEMENS

Continental®



S&T Motiv

Nidec



 **Electrolux**

ABB

SDM MAGNETICS

Japan Business Service

(有) ジャパンビジネスサービス

〒550-0005 大阪市西区西本町

1-5-13 山本ビル101

TEL : 050-5532-3440 FAX : 06-6752-7733

Mobile : 090-9547-0201 E-mail: info@jbservice.jp



#199, North Shixin Road,
Xiaoshan, Hangzhou,
Zhejiang, 311200
P.R. China.



Tel: +86-571-82867702

+86-571-82867019

+86-571-82867275

Fax: +86-571-82867703

E-mail: sales@magnet-sdm.com

Web: www.magnet-sdm.com

www.magnetschina.com

Thank you for your attention!