





Jin Tong Magnetic Material Technology Co., Ltd

Jin Tong was established in 1995, with 24 years' experience in NdFeB magnet industry.

Company Add

Shanyi factory:

inTong industrial park, Jidian town, Changzhi city, Shanxi Province, China.

Shenzhen factor

No. 102, Building L22, Leather district, Huanan city, Pinghu, Longgang district, Shenzhen, China

Guangzhou overseas business office:

Room 313, Block B, Building 1, Helenbergh Industrial Park, Yushan West Rd, Panyu District, Guangzhou City, China.





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Professional NdFeB Magnet Manufacturer

Jin Tong is an enterprise specially engaged in NdFeb magnet production technology research & innovation.









CAPABILITY

We have 2 factories. One is located in Changzhi city of Shanxi province, and the other one is located in Shenzhen city. Our overseas business office is in Guangzhou. Our Shanxi main production base is with 35,000 Sqm which annual output for magnet products is about 5000 tons.

We could supply full turnkey production line for customers. Our factory is equipped with efficient welding furnace & vacuum rapid condensation furnace etc.

Our neodymium magnet products cover N35-N52(80°C), N35-N52M (100°C), N35-N52H(120°C), N52SH(150°C), N52UH(180°C), N52EH(200°C), N52AH (240°C), and all the magnet products complies with ISO9001, MSDS, ROHS and SGS standards. Our magnet products have been exported to USA, Europe, Southeast Asia and other overseas market.



















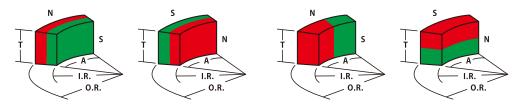
COMPANY DEVELOPNENT



- 1995 Jin Tong mineral products distribution plant was established.
- 2002 Jin Tong started to research and develop NdFeb products, besides manufacture and sell NdFeb magnet products.
- 2013 Jin Tong invested 200 million RMB to have established 35,000 Sqm factory.
- 2014 Our Shenzhen branch factory was established and we started to export magnet products.
- 2015 Jin Tong was as a member of the Board of Directors in Shanxi Magnetic Materials Alliance, and we also joined Shanxi Province 917 key projects.
- 2016 Our Guangzhou and Hebei branch offices were established.

ARC MAGNET

Arc magnet is also called segment magnet. It is a special shape magnet which is cutted with the block magnet.











Arc magnet has a wide range of application. It is commonly used in permanent magnet engine rotor & sator or other motors, besides it also could be used for some personal special design products, for example: computer hard disk application.

RING MAGNET

We make Axial magnetization or Diametrical magnetization as the magnetized direction.







Ring magnet is a common shape

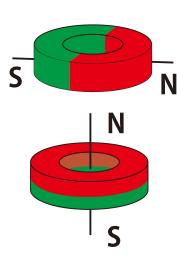
permanent magnet. We can use it for

loudspeaker. We regard OD as the outer

diameter of ring magnets and ID as the

inner diameter, while T means the magnet

thickness.



COUNTERSUNK MAGNET









Countersunk Magnet can be mounted with screws(M2, M4...).

We could made block countersunk magnet and round countersunk magnet products.

ROUND MAGNET

Round magnet is the most popular shape magnet. You can use small round magnet in toy, whiteboard, wallet, education, packing box or personal DIY design. Big round magnet generally is used in industry.











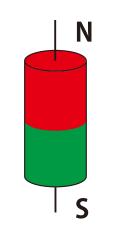


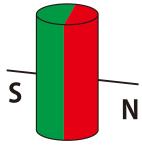
CYLINDER MAGNET

Cylinder magnet is a regular shape of magnet. We regard D as the diameter and H as the height or thickness of the cylinder magnet.

For example, D5 × 10mm, that means the column magnet diameter is 5 mm, and its thickness (or height) is 10 mm.

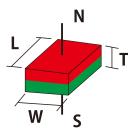


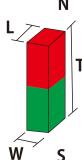


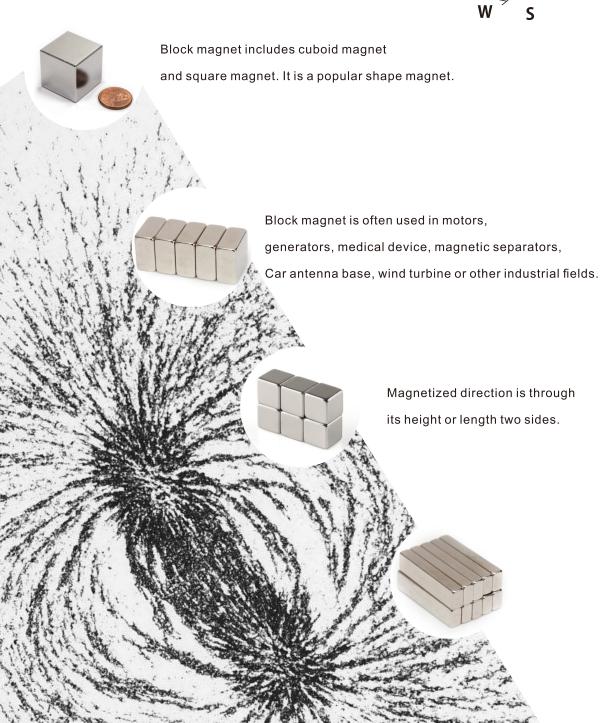




BLOCK MAGNET







CUSTOMIZED MAGNETS

















ELECTRONIC PLATING















Neodymium magnet is mainly composed with neodymium & iron & boron ingredient. If the magnet is not electroplated, it will be rusted and corroded easily when the magnet under moist air environment.

Considering the inferior corrosion resistance of NdFeb material, we supply different electroplating solution for our magnet products.

APPLICATIONS







■ EPS Steering System

■ Magnetic Resonance Imaging





Permanent Magnet Engine

Packaging & Craft





Wind Power

Speaker





AC/DC Motor

Robot

QUALITY CONTROL



Strict production process control
Continue to improve our production process
Raw material quality control
Sample confirmation
Machine inspection



Equipped with high-end detection equipment

Average force meter (milling particle size inspection)

Magnetization characteristic automatic measuring instrument (issue demagnetization curve)

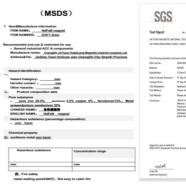
Magnetic testing equipment for measurements of field density and field strength

Hysteresisgraph for magnetic characteristic measurement













Different NdFeB Magnet Parameters

Different at a bull and a second									
Model	BR		НСВ		HCJ		(BH)MAX		TW
	T	Kgs	KA/m	Koe	KA/m	Koe	KJ/m3	MGOe	°C
N35	1.17-1.21	11.7-12.1	876-899	11.0-11.3	≥955	≥12	263-279	33-35	≤80
N38	1.22-1.26	12.2-12.6	876-923	11.0-11.6	≥955	≥12	287-303	36-38	≤80
N40	1.26-1.29	12.6-12.9	876-923	11.0-11.6	≥955	≥12	303-318	38-40	≤80
N42	1.30-1.33	13.0-13.3	876-926	11.0-11.6	≥955	≥12	318-334	40-42	≤80
N45	1.33-1.37	13.3-13.7	876-926	11.0-11.6	≥955	≥12	342-358	43-45	≤80
N48	1.36-1.42	13.6-14.2	876-926	11.0-11.6	≥955	≥12	358-382	45-48	≤80
N50	1.41-1.45	14.1–14.5	828-907	10.4-11.4	≥876	≥11	382-398	48-50	≤70
N52	1.44-1.48	14.4-14.8	828-907	10.4-11.4	≥876	≥11	394-414	49.5-52	≤70
N35M	1.17-1.21	11.7-12.1	892-915	11.2-11.5	≥1114	≥14	263-279	33-35	≤100
N38M	1.22-1.26	12.2-12.6	907-931	11.4–11.7	≥1114	≥14	287-303	36-38	≤100
N40M	1.26-1.29	12.6-12.9	907-947	11.4-11.9	≥1114	≥14	303-318	38-40	≤100
N42M	1.30-1.33	13.0-13.3	907-947	11.4–11.9	≥1114	≥14	318-334	40-42	≤100
N45M	1.33-1.37	13.3-13.7	907-955	11.4-12.0	≥1114	≥14	334-358	42-45	≤100
N48M	1.36-1.42	13.6-14.2	907-955	11.4-12.0	≥1114	≥14	358-382	45-48	≤100
N50M	1.41-1.45	14.1–14.5	907-971	11.4-12.2	≥1114	≥14	382-398	48-50	≤100
N33H	1.14-1.17	11.4–11.7	820-876	10.3-11.0	≥1353	≥17	247-263	31-33	≤120
N35H	1.22-1.26	12.2-12.6	907-947	11.4–11.9	≥1353	≥17	287-303	36-38	≤120
N40H	1.26-1.29	12.6-12.9	907-947	11.4-11.9	≥1353	≥17	303-318	38-40	≤120
N42H	1.30-1.33	13.3-13.3	907-947	11.4-11.9	≥1353	≥17	318-114	40-42	≤120
N45H	1.33-1.37	13.3-13.7	907-947	11.4-11.9	≥1353	≥17	342-358	43-45	≤120
N48H	1.36-1.42	13.6-14.2	907-971	11.4-12.2	≥1274	≥16	358-382	45-48	≤110
N50M	1.41-1.45	14.1–14.5	907-971	11.4-12.2	≥1114	≥14	382-398	48-50	≤100
N30SH	1.08-1.12	10.8-11.2	804-844	10.1–10.6	≥1592	≥20	223-239	28-30	≤150
N33SH	1.14-1.17	11.4–11.7	820-876	10.3-11.0	≥1592	≥20	247-263	31–33	≤150
N35SH	1.17-1.21	11.7–12.1	860-907	10.8-11.4	≥1592	≥20	263-279	33-35	≤150
N35UH	1.17-1.21	11.7–12.1	860-907	10.8-11.4	≥1990	≥25	263-279	33-35	≤180
N28EH	1.04-1.08	10.4-10.8	780-812	9.8-10.2	≥2388	≥30	207-223	26-28	≤200
N30AH	1.08-1.12	10.8-11.2	804-844	10.1–10.6	≥2786	≥35	223-239	28-30	≤240

Surface Coating

Coating	Surface color	Application	Coating thickness	Salt spray test
Zn	Blue White	With high anti-corrosion ability	5–10um	>24hr
NiCuNi	Silver Grey Black	Applicable to a more harsh environment	15-30um	> 48hr
Black Epoxy	Black	Toy, Insulation machinery, Suitable for a more harsh environment	15–30um	> 300hr
Gold	Gold	Decoration, Health- care, Precision instruments etc	5–10um	> 24hr

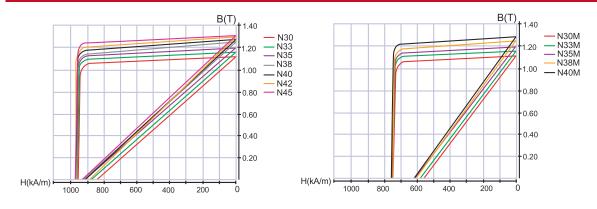
Magnet Size

Ring	Outer Dia	Inner Dia	Thickness	Dis	Diameter	Thickness	
Maximum	70mm	60mm	60mm	Maximum	70mm	60mm	
Minimum	4	1.2mm	0.5mm	Minimum	4	0.5mm	
Tolerance	+-0.03	+-0.05	+-0.05	Tolerance	+-0.03	+-0.05	
Block	Length	Width	Thickness	Segment & other		ег	
Maximum	102mm	61mm	37mm	irre	egular shapes		
Minimum	3mm	3mm	3mm	Can be manufactured accor		cording to	
Tolerance	+-0.05	+-0.05	+-0.05	customer's sample or blue prir		lue print	

DEMAGNETIZATION CURVE

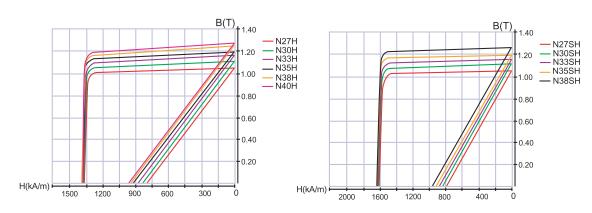
N Grade Demagnetization Curve

NM Grade Demagnetization Curve



NH Grade Demagnetization Curve

NSH Grade Demagnetization Curve





WHY US

1. Scale economy advantage

Our self-built factory is with 35,000 square meters, and our annual output is about 5000 tons.

- Strong production ability could satisfy different customers' requirements
 Jin Tong is equipped with advanced facilities & various production molds, and we could produce high grade magnet
 N48, N52, for our rich production experience.
- 3. Professional technical team

Jin Tong R&D team includes 8 senior engineers. We have developed 15 new products, 36 technical transformations and 18 innovative technologies.

Our NdFeB production technology is in an advanced position in the industry in the world.

4. Professional package for your transportation

Uniform anti-magnetized package could satisfy different transportation.

Complete certificates (MSDS, ROHS, THS) make us to ensure smooth transportation for customers.

















