



嘉达磁电

钕铁硼强力磁铁·烧结、加工、电镀全产业链

东莞市嘉达磁电制品有限公司

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公司简介

COMPANY PROFILE

东莞市嘉达磁电制品有限公司创建于1998年,专业致力于高品质的钕铁硼材料的研发、生产和销售,广东省高新技术企业之一,具备年产3000吨烧结钕铁硼的生产能力。

可靠的产品质量,源于完整的保障体系,嘉达人秉承“以客户需求为出发点,以客户满意为目标,以品质持续,改进为动力,以最佳的信誉为挑战”的质量方针,依靠先进的管理理念和完善的管理制度,相继通过ISO9001质量体系ISO14001:2004环境管理体系,ISO/TS16949:2002质量管理体系。并与国内外多家知名企业合作,产品应用在电机工程,仪器仪表,汽车工业,石油化工,核磁共振,磁疗保健,航空、航天、电声等众多高新技术领域。公司拥有国家专利15项,产品远销欧美、日韩、东南亚等多个国家以及香港、台湾等地区。

2015年,公司在东莞市中堂镇的新厂房正式使用,新厂房占地48亩,建筑面积3万平方米,员工560人,其中开发研究19人,品管46人,办公人员28人,管理18人。新厂房除配备有国内顶级生产设备,还拥有研发中心和检测中心各一个,先后从德国、日本、美国等地进口了大批国际顶级设备,研发、检测能力均达到国际先进水平。新厂房的落成,为公司打造国际一流的钕铁硼生产基地打下坚实的基础。

展望未来,公司继续坚持“管理以人为本,合作创造价值”的经营理念,发扬“团结、进取、务实、开拓”行动纲领,为客户需要提供最有效的强磁解决方案。





公司发展史

DEVELOPING HISTORY OF JIADA

1、1998年3月于东莞市望牛墩镇望东工业区成立-东莞市嘉达永磁材料厂；

Dongguan Jiada Permanent Magnetic Material Factory has established in March, 1998 in Wangdong Industry Park in Wang Niudun Town, Dongguan city.

2、2000年8月东莞市嘉达永磁材料厂乔迁到东莞市望牛墩镇金牛路42号；

In August 2000,our company removed to Jin Niu Lu No 42, Wang Niudun Town, Dongguan city.

3、2003年8月东莞市嘉达永磁材料厂乔迁至东莞市中堂镇南潢路（袁家涌段）79号，同时工厂更名为：东莞市嘉达磁电制品有限公司；

In August 2003 Dongguan JIADA permanent magnetic materials Factory has removed to No. 79 Zhonghuang south road, Yuanjiayong village, zhongtang town, dongguan city and then renamed as DongGuan JiaDa Magnetolectric Products CO.,LTD

4、2007年8月公司通过ISO9001：2008质量管理体系认证；

In August 2003 JIADA Our company has passed the ISO9001-2008 quality management system certification.

5、2009年6月公司将电镀车间搬迁到东莞市麻涌镇豪丰电镀城；

In June 2009, Jiada has removed its electroplating workshop to Haofeng electroplating Industrial Park in Machong.

6、2012年10月公司将电镀车间扩大搬迁至东莞市麻涌镇豪丰工业园，厂房面积1250平方米，同时申请独立牌照，公司名为：东莞市融通电镀有限公司；

In October 2012,our company has scaled the electroplating workshop which now covers an area of 1250m2 in In Mayong Town Haofeng Industrial Park. Meanwhile, our company applied the Independent license and the name of the electroplating workshop called Dongguan Rongtong Electroplating co., Ltd.

7、2012年9月公司以高新技术名义提出申请向东莞市政府购买48亩国有工业土地，该项目被评为年度东莞市重点项目；

In September 2012, JIADA has purchased 48 acres of state-owned industrial land in the name of High and New Technology.

8、2012年10月对48亩的工业用地开始填土、打桩、兴建；

In October 2012,the 48 acres of state-owned industrial land. has been begun to fill,pile and construct.

9、2013年11月公司通过ISO/TS16949管理体系认证，同年5月获得“切片上料夹具”和“可调粘料夹具组伯”实用新型专利，专利号分别为ZL 2012 2 0622296.7, ZL 2102 2 0622039.3。7月获得“切片加工前粘料机构”实用新型专利，专利号为ZL 2012 2 0622063.7；

In November 2013, JIADA has passed ISO/TS16949 management system certification.And in May we has won the utility model patent for "Cutting Machine Loading Fixture" (Patent NO:ZL 2012 2 0622296.7, and" Adjustable Modular Fixture (Patent ZL 2012 2 0622039.3). In July JIADA has awarded the utility model patent for Loading Mechanism Before Slice Processing" . (Patent ZL 2012 2 0622063.7).

10、2014年7月获得“一种45度和90度的旋转料板”、“一种同心度测量装置”、“一种自动磨边装置”、“一种半自动送料的磨边装置”、“一种磨边装置”、“一种人机交互式自动磨边装置”实用新型专利，专利号分别为：ZL 2014 20120011.9, ZL 2014 2 0120726.4, ZL 2014 2 0120874.6, ZL 2014 20120844.5, ZL 2014 2 0120605.X, ZL2014 2 0120012.3。10月获得“一种多角度的旋转料板”实用新型专利，专利号为ZL 2014 20120728.3；

Our company Got the patents of utility model such as "Rotation device of 45 degree and 90 degree" "The concentricity measurement device" "Moving edge grinding device" "Edge grinding device for semi-automatic feeding" "Edge grinding device" and "Human machine exchange mutual type automatic edge grinding device" in July 2014. Also the number of Patents are ZL 2014 20120011.9, ZL 2014 2 0120726.4, ZL 2014 2 0120874.6, ZL 2014 20120844.5, ZL 2014 2 0120605.X, and ZL2014 2 0120012.3. What' s more, our company also got the utility model patent,which is "A multi-angle rotating feed plate" and the number is ZL 2014 20120728.3 in October.

11、2014年8月公司新厂房全部竣工；

The new factory of company was completed in August 2014.

12、2015年5月份公司新厂通过政府各项验收；

The indicators of new factory have passed by the government in May 2015

13、2015年6月份公司从东莞市中堂镇南潢路（袁家涌段）79号乔迁到东莞市中堂镇楼滘村进园大道东6号自建新厂房正式营业；

The factory of our company Start operation in June 2015,which is moved to No.6 East Jinyuan Road, Chaojiao IndustrialParkfrom No.79 Huangnan Road,YuanjiaChong, Zhongtang Town, Dongguan City, Guangdong,China.

14、2015年10月公司成立烧结钕铁硼毛坯车间。同年10月获得“切片上料板夹具校正装置”发明专利，专利号为ZL 2012 10477396.X；

In October 2015, the company set up sintered neodymium iron boron blank workshop.And we got the Invention patent called" Slice feeding plate fixture calibration device" ,and the number is ZL 2012 10477396.X same year.

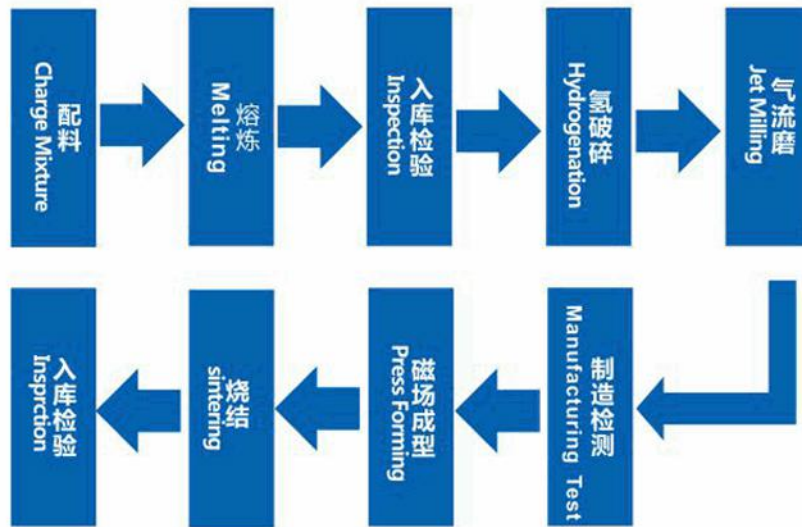
15、2015年11月公司正式挂牌为“高新技术企业”。

In November 2015, the company officially listed as "high-tech enterprises" .



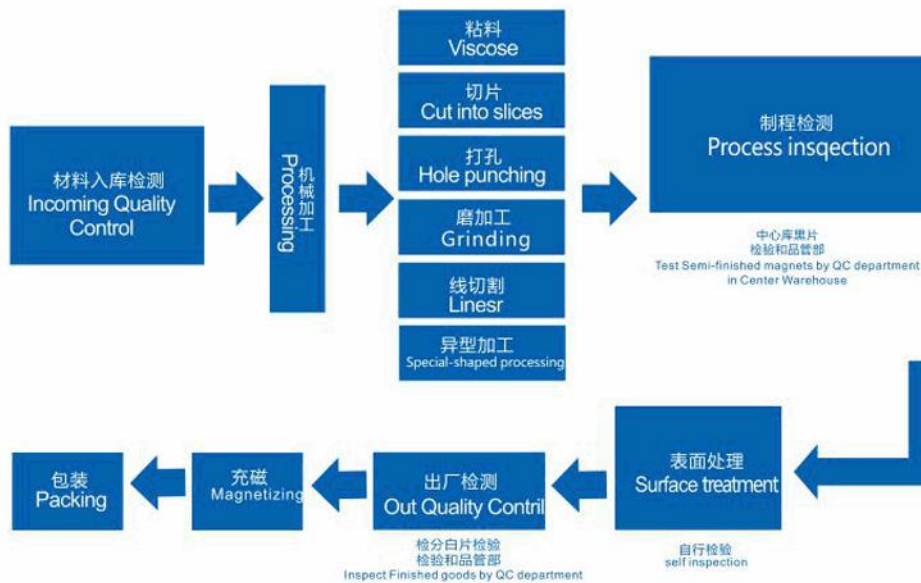
前道-烧结生产工艺流程图

FRONT END OF LINE-THE FLOW CHART OF SINTERING PRODUCTION TECHNOLOGY



后道-加工生产工艺

BACK END OF LINE-PROCESSING PRODUCTION TECHNOLOGY





前道-烧结生产工艺

FRONT END OF LINE - SINTERING PRODUCTION

效率是企业的血液，技术是企业的生命。烧结，嘉达磁电一直都很稳定。

Efficiency is a blood for the enterprise, Technology is a life for the enterprise. Sintering, Jiada Magnet have been very stable.



烧结车间 Sintering Workshop



真空烧结炉 Vacuum Sintering Furnace



真空速凝炉 Vacuum Rapid Solidification Furnace



全自动多工位氢碎炉 Automatic Multi - Hydrogen Crushing Furnace



气流磨 Air-Flow Mill



成型压机 Forming Press



后道-加工生产工艺

BACK END OF LINE-PROCESSING PRODUCTION TECHNOLOGY

效率是企业的血液，技术是企业的生命。嘉达磁电的钕铁硼深加工技术一直处于业内的较高水平。

Efficiency is like a blood for the enterprise, Technology is like a life for the enterprise. JIADA NdFeB deep processing technology has been in the domestic leading level



多线切片机 Multi Linear Cutting Machine



全自动切片机 Fully Full automatic Cutting Workshop



全自动切片车间 Precision Spape linear Cutting Machine



精密异型线切割 Precision Full-automatic Cutting Machine



超声波打孔机 Ultrasonic drilling machine



凹、凸型加工设备 Special shaped magnets processing equipment



方形，跑道形加工设备
Block Magnet & Track Magnet 'processing equipment



套孔机 Trepan Boring Machine



后道-加工工艺

BACK END OF LINE—PROCESSING PRODUCT TECHNOLOGY

效率是企业的血液，技术是企业的生命。嘉达磁电的钕铁硼深加工技术一直处于业内的较高水平。
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全自动打孔机 Full automatic punching machine



磨角机 Angle grinder



内孔异型加工设备
Non-conventional Pinhole processing equipment



磨片机 Grinding machine



原材料仓库 raw material Warehouse



成品仓库 Finished goods warehouse



选片作业 Handsorting Operation



包装作业 Packing operation

外规-表面处理

APPEARANCE - SURFACE TREATING

节约资源，保护环境，提高资源循环利用是人类共同的责任，嘉达作为一个公共企业，对社会的每一份责任都是积极的负责。公司于2009年在东莞市麻涌镇豪丰工业园成立电镀公司-东莞市融通电镀有限公司，引过国内外先进的检测与生产设备，拥有ZN（锌）、NI（镍）、CU（铜）的自动生产流水线，并配备化验实验室，相续通过了ISO9001：2008质量管理体系及环评认证。

In 2009, we formed a plating company- "DONGGUANG CITY RONGTONG PLATING CO.,LTD." in HaoFeng Industrial park, MaYong Town, DongGuan City. Alos we keep introducing advanced inspection and production equipments from domestic and overseas. Now we own automatic production line of ZN(Zinc), NI(Nickel), CU(Copper), and set up the testing laboratory. That we have successively passed the ISO9001:2008 Quality Management System and Environmental Impact Assessment(EIA) Certeification.



镀锌 (ZN) 自动生产线
Electro-galvanized Automatic Production Line(Zinc)



镀铜 (Cu) 自动生产线
Copper plating (Cu) Automatic production line (Cu)



镀金属镍 (Ni) 自动生产线
Metallized Nickel Automatic Production Line



镀化学镍 (Ni) 自动生产线
Chemical Nickel (Ni) Automatic Production Line



抛光打磨生产线
Polishing & Grinding Production Line



化验实验室
Testing Laboratory

品质检验 QUALITY INSPECTION

品质是客户对我们的信任，产品是我们给客户的尊重。碳硫分析仪、ICP原子发射光谱仪、氧氮氢分析仪、激光粒度分布仪、永磁特性自动测量仪、恒温恒湿测试仪、盐雾测试机、高温高压加速老化试验机、电镀层膜厚仪、投影仪、XRF环保测试仪、磁通计、高斯计、跌落试验箱等国内外先进检验的设备是对每一片产品负责的态度。

With responsible attitude for each magnet product, we keep introducing advanced inspection equipments, such as Carbon Sulfur Analyzer, ICP Atomic Emission Spectrometer, Oxygen Nitrogen Hydrogen Analyzer, Laser Particle Size Analyzer, Automatic Measuring Instrument for Permanent Magnetic Property, Constant Temperature Constant Humidity Box, Salt Spray Tester, High Temperature & Pressure Accelerated Aging Testing, Coating Thickness Measurer, Profile projector, XRF RoHS Tester, Flux Meter, Gaussmeter, Drop Test Chamber etc.



碳硫分析仪 Carbon Sulfur Analyzer
分析稀土里的碳硫含量。
Analysis the content of Carbon and Sulfur in Rare Earth.



ICP原子发射光谱仪 ICP Atomic Emission Spectrometer
分析钕铁硼磁铁的各成分含量。
Analysis the content of each component of
NdFeB magnet.



氧氮氢分析仪 Oxygen Nitrogen Hydrogen Analyzer
分析钕铁硼磁铁里的氧氮氢的含量。
Analysis the content of Oxygen Nitrogen
of NdFeB magnet.



XRF环保测试仪 XRF RoHS Tecter
检验ROHS和卤素。 Test ROHS and halogen.

烧结钕铁硼产品

SINTERED NDFEB MAGNETS PRODUCTS

镀NI(镍)产品 Nickel



镀锌产品 Zinc

镀锌产品 Zinc

镀黑镍产品 Black Nickel



镀黑锌产品 Black Zinc

镀环氧树脂产品 Black Epoxy

镀金产品 GOLD

稀土元素 RARE EARTH

稀土就是化学元素周期表中镧系元素——镧(La)、铈(Ce)、镨(Pr)、钕(Nd)、钷(Pm)、钐(Sm)、铕(Eu)、钆(Gd)、铽(Tb)、镝(Dy)、钬(Ho)、铒(Er)、铥(Tm)、镱(Yb)、镱(Lu)，以及与镧系的15个元素密切相关的两个元素——钪(Sc)和钇(Y)共17种元素，称为稀土元素(Rare Earth)。稀土元素在石油、化工、冶金、纺织、陶瓷、玻璃、永磁材料等领域都得到了广泛的应用。钕铁硼永磁材料是以金属间化合物 $Re_2Fe_{14}B$ 为基础的永磁材料。主要成分为稀土元素钕(Nd)、铁(Fe)、硼(B)。其中稀土元素主要为钕(Nd)，为了获得不同性能可用部分镝(Dy)、镨(Pr)等其他稀土金属替代。

Rare Earth is chemical lanthanide elements in the periodic table—lanthanum(La), cerium(Ce), praseodymium(Pr), neodymium(Nd), promethium(Pm), samarium(Sm), europium(Eu), gadolinium(Gd), terbium(Tb), dysprosium(Dy),holmium(Ho), erbium(Er), thulium(Tm),ytterbium(Yb), lutetium(Lu), and 15 lanthanide elements is closely related to the two elements—scandium(Sc) and ytterium(Y), a total of 17 elements, known as Rare Earth elements(Rare Earth). Rare earth elements in petroleum, chemical industry, metallurgy, textile, ceramic, glass, permanent magnetic material and other fields has been widely used. Ndfeb permanent magnet material is based on intermetallic compounds $Re_2Fe_{14}B$ permanent magnetic material. Main ingredients for rare earth element neodymium (Nd), iron(Fe) and boron(B). Neodymium(Nd) is the main element of the rare earth, in order to obtain different performance available parts of dysprosium(Dy), praseodymium(Pr), and other rare earth metal.



镨铁(DyFe)



铽(Tb)



镧(La)



钇(Y)



钆(Gd)



铒(Er)



铈(Ce)



钴(Co)



硼铁(BFe)



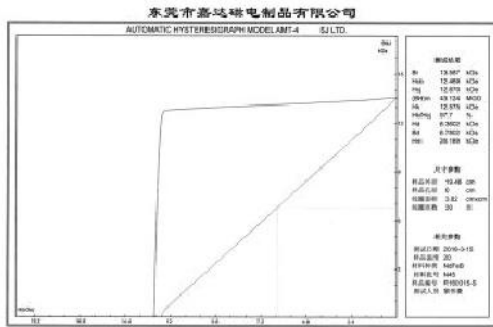
镨钕(PrNd)



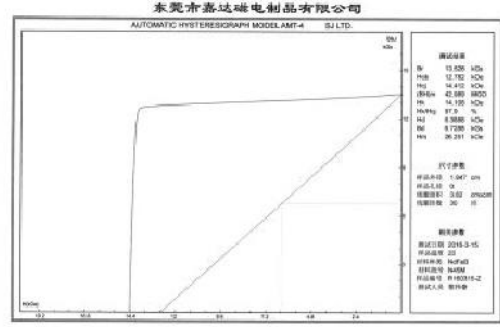
烧结钕铁硼磁性能表

PROPERTIES SINTERED NDFEB MAGNETIC

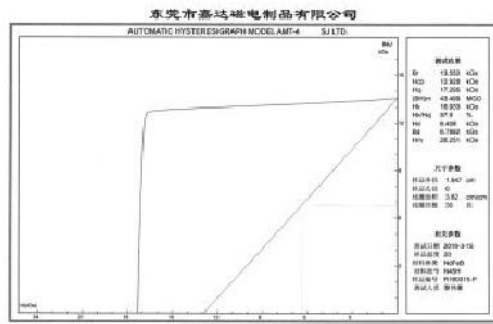
性能 Grade	剩磁 Residual Flux Density		矫顽力 Coercive Force		内禀矫顽力 Intrinsic Coercive Force		最大磁能积 Max Energy Product		最高工作温度 Maximum Operating Temperature
	Br		Hcj Min		Hcb Min		(BH)max范围		最高工作温度
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m ³	MGOe	°C
N30	1.08~1.15	10.8~11.5	955	12	796	10	223~255	28~32	80
N33	1.13~1.18	11.3~11.8	955	12	836	10.5	247~270	31~34	80
N35	1.17~1.22	11.7~12.2	955	12	868	10.9	263~287	33~36	80
N38	1.22~1.27	12.2~12.7	955	12	899	11.3	287~310	36~39	80
N40	1.25~1.30	12.5~13.0	955	12	923	11.6	302~326	38~41	80
N42	1.28~1.34	12.8~13.4	955	12	923	11.6	318~342	40~43	80
N45	1.33~1.38	13.3~13.8	955	12	876	11	342~366	43~46	80
N48	1.37~1.43	13.7~14.3	955	12	892	11.2	366~390	46~49	80
N50	1.39~1.45	13.9~14.5	876	11	836	10.5	374~406	47~51	80
N52	1.42~1.47	14.2~14.7	876	11	836	10.5	390~422	49~53	80
30M	1.08~1.15	10.8~11.5	1114	14	796	10	223~254	28~32	100
33M	1.13~1.18	11.3~11.8	1114	14	836	10.5	247~270	31~34	100
35M	1.17~1.22	11.7~12.2	1114	14	868	10.9	263~287	33~36	100
38M	1.22~1.27	12.2~12.7	1114	14	899	11.3	287~310	36~39	100
40M	1.25~1.30	12.5~13.0	1114	14	923	11.6	302~326	38~41	100
42M	1.28~1.34	12.8~13.4	1114	14	955	12	318~342	40~43	100
45M	1.33~1.38	13.3~13.8	1114	14	995	12.5	342~366	43~46	100
48M	1.37~1.43	13.7~14.3	1114	14	1019	12.8	358~390	46~49	100
50M	1.39~1.45	13.9~14.5	1114	13	1035	13	374~406	47~51	100
52M	1.42~1.47	14.2~14.7	1035	13	995	12.5	390~422	49~53	100
15H	0.81~0.96	8.10~9.60	1353	17	597	7.5	127~159	16~20	120
25H	0.90~1.08	9.00~10.8	1353	17	756	9.5	159~207	20~26	120
27H	1.02~1.06	10.2~10.6	1353	17	764	9.6	199~215	25~27	120
30H	1.08~1.15	10.8~11.5	1353	17	796	10	223~254	28~32	120
33H	1.13~1.18	11.3~11.8	1353	17	836	10.5	247~270	31~34	120
35H	1.17~1.22	11.7~12.2	1353	17	868	10.9	263~287	33~36	120
38H	1.22~1.27	12.2~12.7	1353	17	899	11.3	287~310	36~39	120
40H	1.25~1.30	12.5~13.0	1353	17	923	11.6	302~326	38~41	120
42H	1.28~1.34	12.8~13.4	1353	17	955	12	318~342	40~43	120
45H	1.33~1.38	13.1~13.8	1353	17	963	12.1	334~358	43~46	120
48H	1.37~1.43	13.7~14.3	1353	16	971	12.2	342~366	45~49	120
50H	1.39~1.45	13.9~14.5	1274	16	1035	13	374~406	47~51	120
27SH	1.02~1.06	10.2~10.6	1592	20	780	9.8	199~215	25~27	150
30SH	1.08~1.14	10.8~11.4	1592	20	804	10.1	223~254	28~32	150
33SH	1.13~1.18	11.3~11.8	1592	20	844	10.6	247~270	31~34	150
35SH	1.17~1.22	11.7~12.2	1592	20	876	11	263~287	33~36	150
38SH	1.22~1.27	12.2~12.7	1592	20	907	11.4	287~310	36~39	150
40SH	1.25~1.30	12.5~13.0	1592	20	939	11.8	302~326	38~41	150
42SH	1.28~1.34	12.8~13.4	1592	20	971	12.2	318~342	40~43	150
45SH	1.32~1.38	13.2~13.8	1592	19	995	12.3	342~366	43~46	150
48SH	1.36~1.42	13.6~14.2	1512	19	995	12.5	358~390	45~49	150
28UH	1.02~1.08	10.2~10.8	1990	25	764	9.6	207~231	26~29	180
30UH	1.08~1.14	10.8~11.4	1990	25	812	10.2	223~254	28~32	180
33UH	1.13~1.18	11.3~11.8	1990	25	852	10.7	247~270	31~34	180
35UH	1.17~1.22	11.7~12.2	1990	25	860	10.8	263~287	33~36	180
38UH	1.22~1.27	12.2~12.7	1990	25	876	11	287~310	36~39	180
40UH	1.26~1.30	12.6~13.0	1911	24	915	11.5	302~326	38~41	180
42UH	1.30~1.35	13.0~13.5	1911	24	971	12.2	310~342	39~43	180
28EH	1.04~1.09	10.4~10.9	2388	30	780	9.8	207~231	26~29	200
30EH	1.08~1.14	10.8~11.4	2388	30	812	10.2	223~254	28~32	200
33EH	1.13~1.18	11.3~11.8	2388	30	820	10.3	247~270	31~34	200
35EH	1.17~1.22	11.7~12.2	2388	30	836	10.5	263~287	33~36	200
38EH	1.22~1.27	12.2~12.7	2388	30	915	11.5	279~310	35~39	200
28AH	1.02~1.09	10.2~10.9	2706	34	780	9.8	199~231	25~29	240
30AH	1.07~1.13	10.7~11.3	2706	34	812	10.2	215~247	27~31	240
33AH	1.11~1.17	11.1~11.7	2706	34	820	10.5	239~271	30~34	240



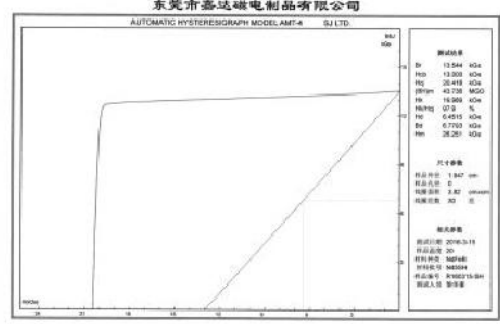
N45



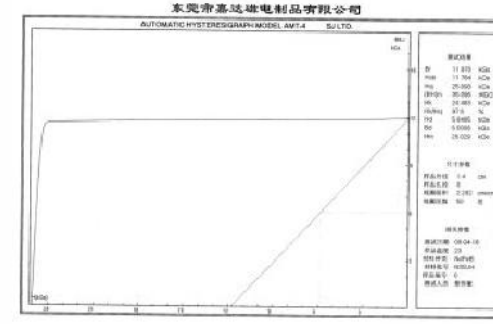
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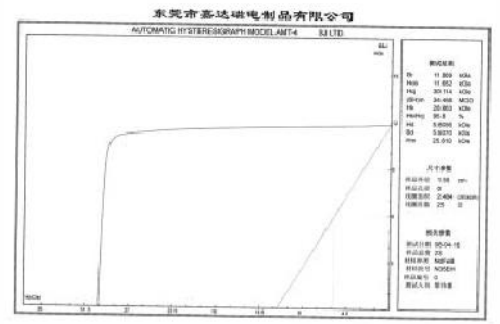
N45H



N45SH



N35UH



N35EH

剩磁温度系数 Remanence Temperature Coefficient	-0.11%/°C	顽矫力温度系数 Coercive Force Temperature Coefficient	-0.6%/°C
密度Density	7.3-7.5g/m ³	电阻率Electrical Resistance	114μΩ.cm
维氏硬度Vickers hardness	600Hv	挠曲强度Flexural strength	25kg/mm
抗拉强度Tensile strength	8.0Kg/mm ²	热膨胀系数Coefficient of thermal expansion	4*10 ⁻⁶ /°C
比热Specific heat	0.12Kcal/Kg	导热系数 Thermal Expansion Conductivity	7.7kcal/(m.h.°C)
强性模量Strong modulus	1.6*10 ¹¹ N/m ²	刚度 Rigidity	0.64N/m ²
横向变形系数Poisson ratio	0.24	压缩率Compression ratio	9.8*10 ⁻¹² m ² /N
居里温度Curie temperature	310-340°C		



嘉达园区

JIADA INDUSTRIAL PARK



办公楼 Office building



厂区 Factory area



前台 Onstage



宿舍区 Dormitory area



运动室 Gym Room



生活区 Living area



健身房 Gym Room



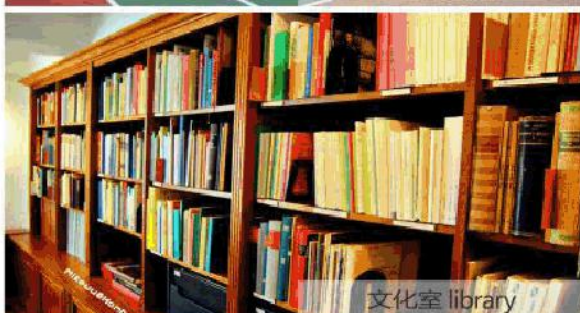
办公室 Office



篮球场 Basketball Court



运动室 Gym Room



文化室 library



培训室 Training Room