



广东南磁科技有限公司

Guangdong South Magnet Technology Co. , Ltd.

专业设计·开发·制造

PROFESSIONAL DESIGN

DEVELOPMENT

MANUFACTURING

让更多的客户享受真正的定制研发服务

广东南磁科技有限公司

Guangdong South Magnet Technology Co. , Ltd.

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公司简介 Company Profile

广东南磁科技有限公司是一家集注塑磁性产品, 磁性材料, 粘结钕铁硼, 烧结钕铁硼, 稀土合金材料等研发、生产、销售、服务于一体的国家高新技术企业。公司位于粤港澳大湾区·珠海, 创立于2008年, 注册成立于2010年, 拥有自建厂房1万多m², 注册资金1000万元, 技术管理团队60人, 经过多年的发展与创新, 目前年销售额达到1.5亿元。

公司主要生产电机转子类磁性制品, 汽车水泵叶轮, 注塑铁氧体颗粒, 粘结钕铁硼, 烧结钕铁硼等系列磁性产品, 产品用于信息产业, 汽车工业, 家用电器, 医疗设备及磁力机械等国民经济领域。

公司秉着成为磁性材料专家的愿景, 为提高生产管理能效, 保证品质优先, 大规模引进高效自动化生产设备 & 检测仪器, 并通过了ISO9001、IATF16949质量管理体系认证, 同时又与国内知名高校建立联合实验室, 研发创新, 完善产品系列, 并荣获多项发明专利和实用新型专利。

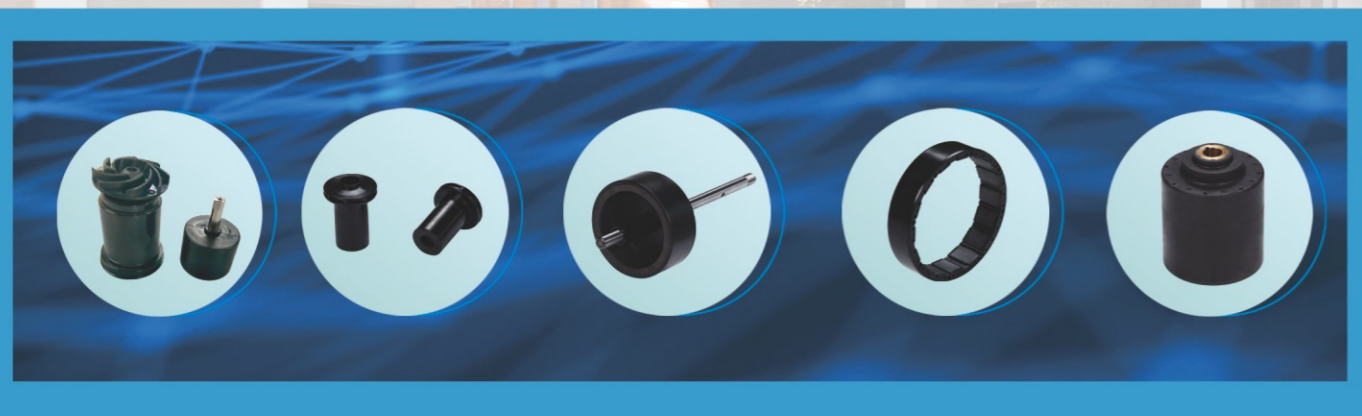
公司将持续以高端的品质和专业的技术为保障, 为客户提供全方位的磁性产品配套服务。

GUANGDONG SOUTH MAGNET TECHNOLOGY CO., LTD. IS A NATIONAL HI-TECH ENTERPRISE INTEGRATING R&D, MANUFACTURING, SALES AND SERVICE OF INJECTION MOLDED MAGNETIC PRODUCTS, MAGNETIC MATERIALS, BONDED NDFEB, SINTERED NDFEB AND RARE EARTH ALLOY MATERIALS, ETC. THE COMPANY IS LOCATED IN THE GUANGDONG, HONG KONG AND MACAU GREAT BAY AREA · ZHUHAI, FOUNDED IN 2008, REGISTERED IN 2010, WITH A SELF-BUILT FACTORY OF MORE THAN 10,000 SQUARE METERS, REGISTERED CAPITAL OF 10 MILLION YUAN, TECHNICAL MANAGEMENT TEAM OF 60 PEOPLE, AFTER YEARS OF DEVELOPMENT AND INNOVATION, THE ANNUAL SALES REACHED 150 MILLION YUAN.

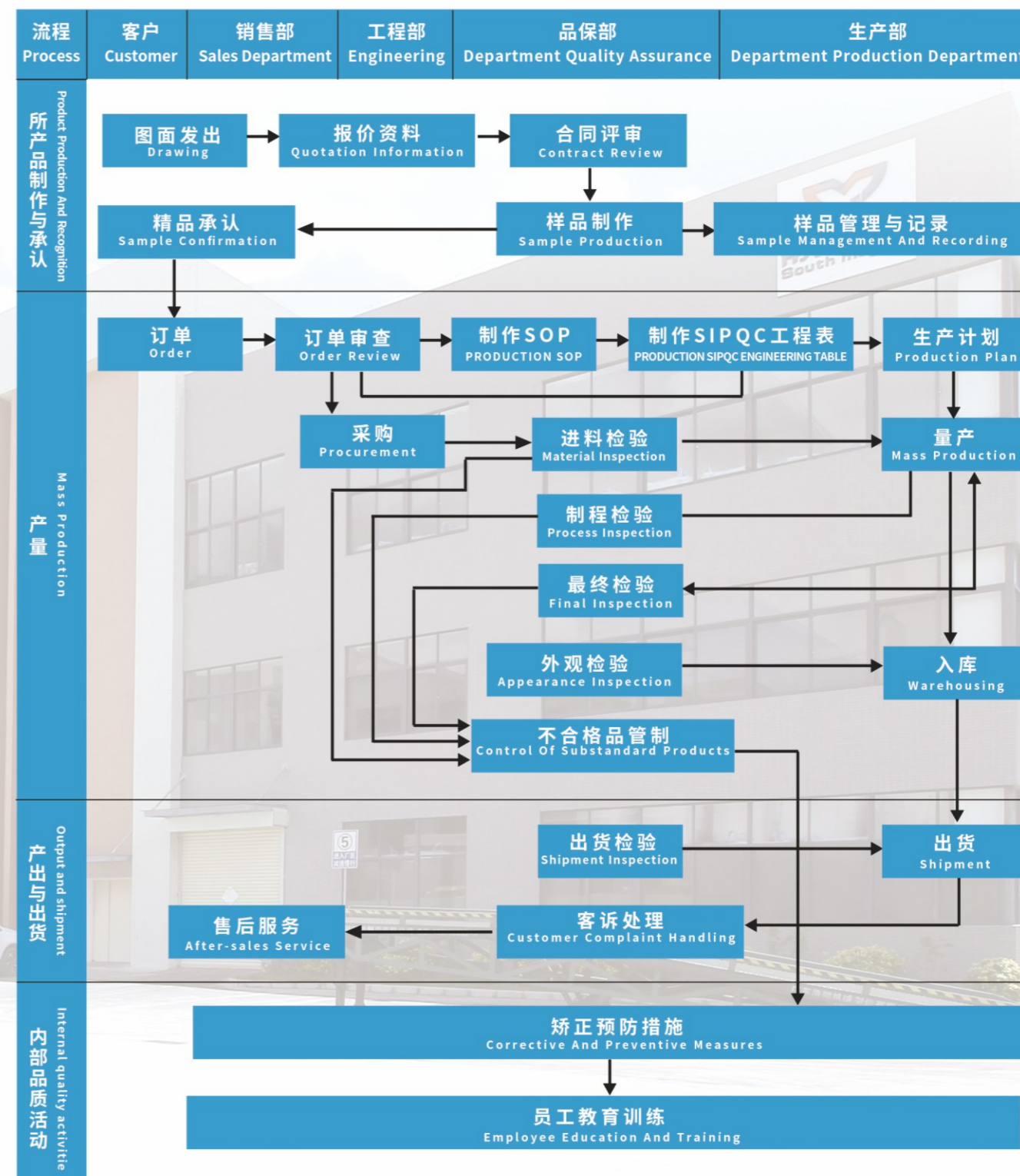
THE COMPANY MAINLY PRODUCES MAGNETIC PRODUCTS SUCH AS MOTOR ROTORS, AUTOMOBILE WATER PUMP IMPELLERS, INJECTION MOLDED FERRITE PARTICLES, BONDED NDFEB, SINTERED NDFEB AND OTHER SERIES OF MAGNETIC PRODUCTS, WHICH ARE USED IN NATIONAL ECONOMIC FIELDS SUCH AS INFORMATION INDUSTRY, AUTOMOBILE INDUSTRY, HOUSEHOLD APPLIANCES, MEDICAL EQUIPMENT AND MAGNETIC MACHINERY.

WITH THE VISION OF BECOMING AN EXPERT IN MAGNETIC MATERIALS, THE COMPANY HAS INTRODUCED EFFICIENT AUTOMATIC PRODUCTION EQUIPMENT AND TESTING INSTRUMENTS ON A LARGE SCALE IN ORDER TO IMPROVE THE ENERGY EFFICIENCY OF PRODUCTION MANAGEMENT AND ENSURE THE PRIORITY OF QUALITY AND HAS PASSED ISO9001 AND IATF16949 QUALITY MANAGEMENT SYSTEM CERTIFICATION. WE ALSO HAVE ESTABLISHED JOINT LABORATORIES WITH FAMOUS UNIVERSITIES IN CHINA TO RESEARCH AND DEVELOP INNOVATIONS AND IMPROVE THE PRODUCT SERIES AND WON MANY INVENTION PATENTS AND UTILITY MODEL PATENTS.

THE COMPANY WILL CONTINUE PROVIDE CUSTOMERS WITH A FULL RANGE OF MAGNETIC PRODUCTS SUPPORTING SERVICES WITH HIGH-END QUALITY AND PROFESSIONAL TECHNOLOGY AS A GUARANTEE.



产品保证体系图/ Product Assurance System Diagram





广东南磁科技有限公司

Guangdong South Magnet Technology Co., Ltd.

企业愿景

VISION

成为磁性材料专家!
Expert In Magnetic Materials

企业使命

MISSION

为客户增值，促员工成长，创社会效益!
Enrich Customer, Promote Employee, Benefit Society

企业价值观

VALUES

艰苦奋斗，团队合作，精益求精!
Hard Work, Team Work, Striving For Excellence

经营理念

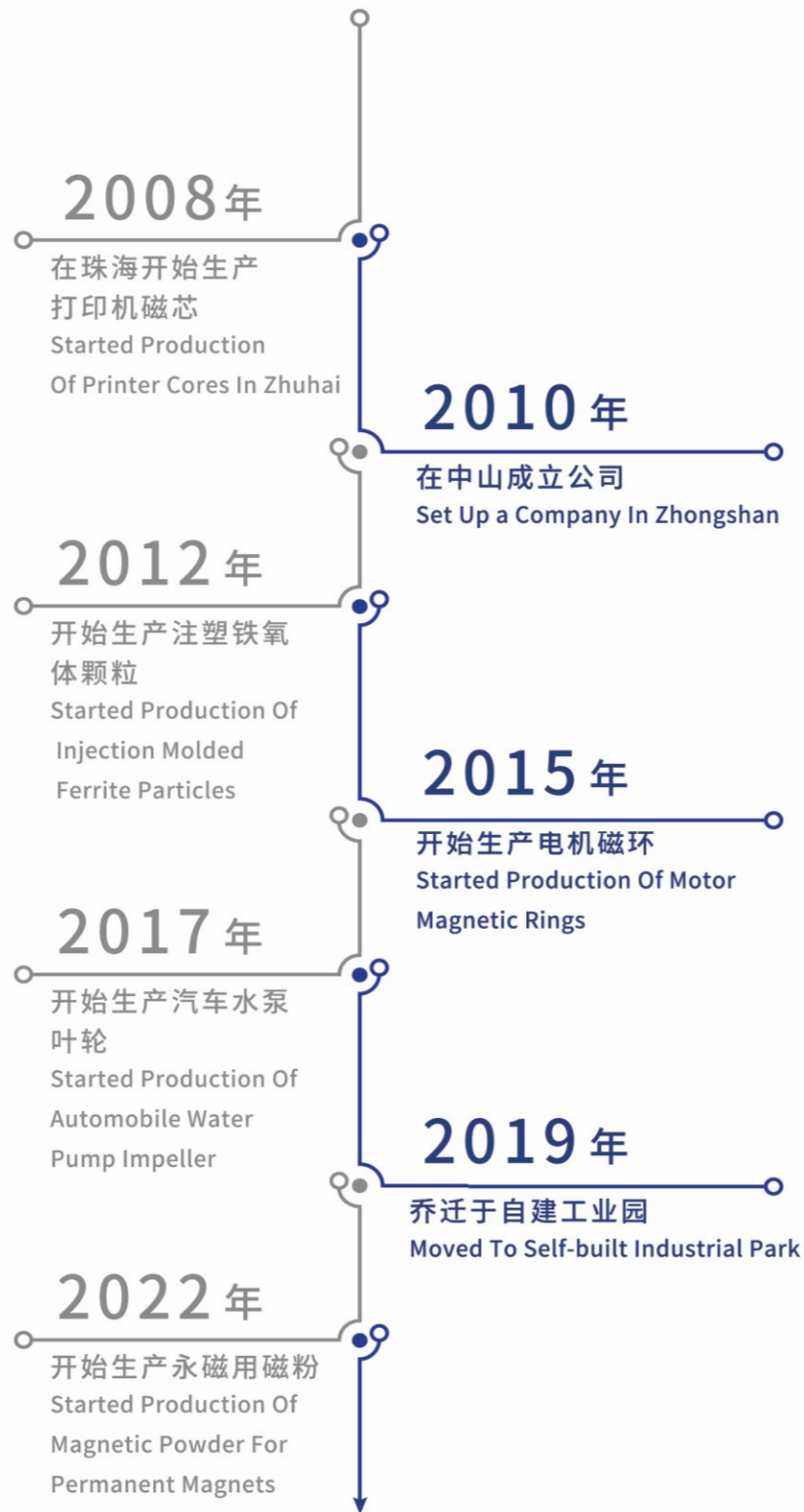
PHILOSOPHY

质量第一，人才第一，持续发展!
Prioritizing Quality First, Talent First And Continuous Development



创业历程

History Of Entrepreneurship



企业荣誉 Corporate Honor

我们承诺 保证品质优先
以高端的品质和专业的技术为保障，
为客户提供全方位的磁性产品配套服务。

The company will provide customers with a full range of magnetic products supporting services with high-end quality and professional technology as a guarantee.





广东南磁科技有限公司

Guangdong South Magnet Technology Co., Ltd.

» 车间技术展示 Workshop Display



» 精英人员 Elite Personnel

精细化的产品研发+可靠的系统

Refined Product Development And Reliable System

专业人员技术支持

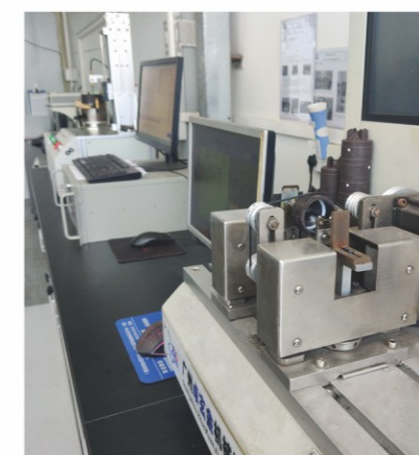
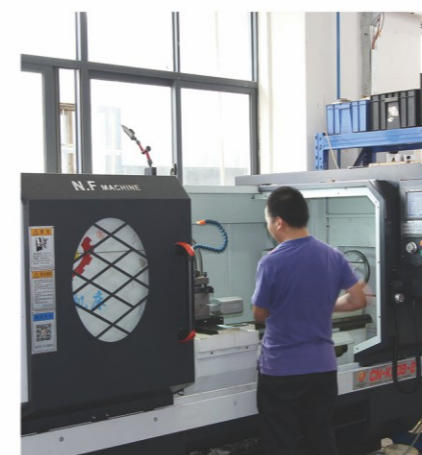
Professional Technical Support

严格把控每个生产环节，整个制作过程精益求精

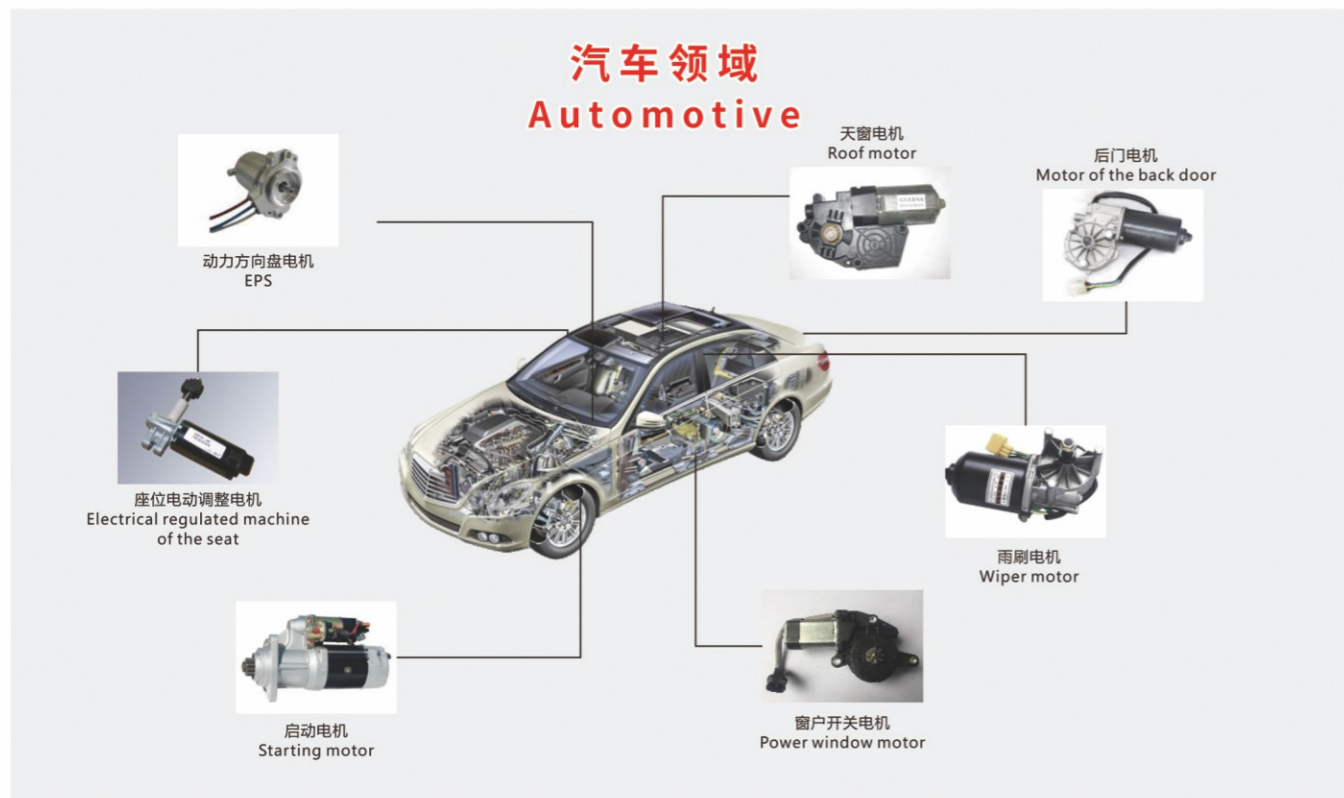
STRICTLY CONTROL EVERY PRODUCTION LINK, AND STRIVE FOR EXCELLENCE IN THE ENTIRE PRODUCTION PROCESS

我司拥有强大的生产能力，完善先进的检测设备，高素质的人才，制造出具有优良品质的产品，并依靠严格、精细的质量控制流程，对所有产品从原材料到产品完成都进行严格的流程控制，确保了每一个产品质量的完善性。

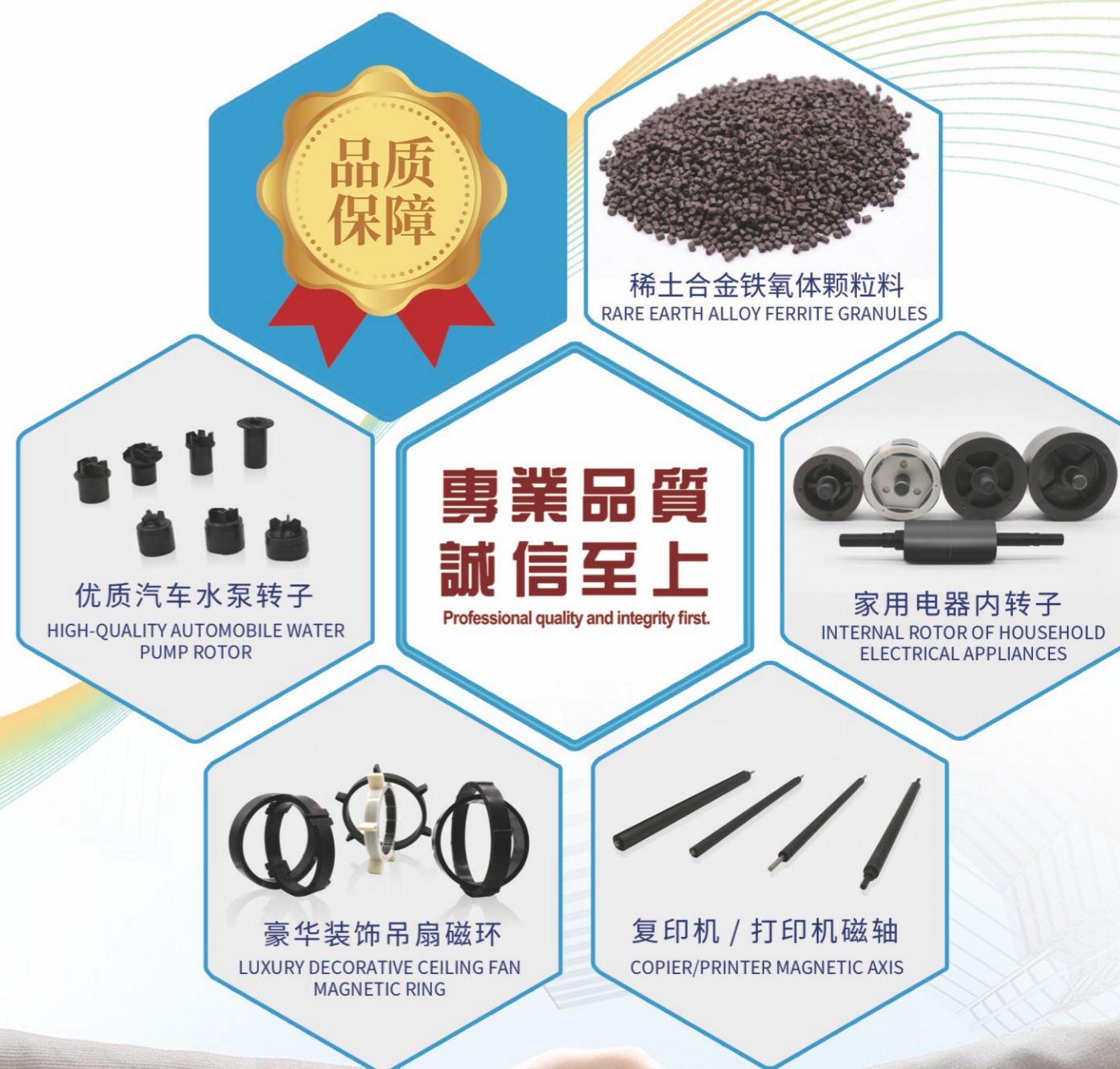
OUR COMPANY HAS A STRONG PRODUCTION CAPACITY, PERFECT ADVANCED TESTING EQUIPMENT, AND HIGH-QUALITY TALENTS TO MANUFACTURE PRODUCTS WITH EXCELLENT QUALITY, AND RELIES ON STRICT AND FINE QUALITY CONTROL PROCESSES TO CARRY OUT STRICT PROCESS CONTROL OF ALL PRODUCTS FROM RAW MATERIALS TO PRODUCT COMPLETION, ENSURING THE COMPLETENESS OF THE QUALITY OF EACH PRODUCT.



» 产品应用 Product Applications



» 产品展示 Product Display



永磁BLDC电机转子系列 Permanent Magnet BLDC Motor Rotor

		
Model: 21004C1-N14P	Model: 20017A1-W06P	Model: 21008A1-N14P
Size: Ø120*101*H25	Size: Ø45*Ø33*H30	Size: Ø59.1*Ø52.8*H15*H20.7
表磁: 1800±50GS	表磁: 1100-1200GGS	表磁: 900-950GS

		
Model: 19006E12-FT13328-N16P	Model: SM21009A1-FT08526-N14P	Model: 20023A1-FT16538-N32P
Size: D154.7*134.2*H35	Size: Ø97.1*Ø86.1*H26*H30	Size: Ø215*Ø184*Ø167*H38*H46
表磁: 1750±50GS	表磁: 1250±50GS	表磁: 1750±50GS

		
Model: 21017A1	Model: 22007	Model: 17052D1-W08P
Size: Ø35*Ø8*H30.3*H96.6	Size: Ø59*H53*H17	Size: Ø50.2*H22.4*H107.5
表磁: 1050±50GS	表磁: ≥1000cs	表磁: 1750±50GS

用途: 风扇电机、风扇BLDC电机
Use: Fan Motor, Fan BLDC Motor

汽车水泵叶轮系列 Automobile Water Pump Impeller

		
Model: 19028A2-W04P	Model: 21003A1-W04P	Model: 18028B1-W04P
Size: Ø52.5*Ø9.5*H50.5	Size: Ø44*Ø29.5*Ø5*H47	Size: Ø50*Ø27*Ø8.0*H57.2
适配: Toyota Prius, Camry Lexus 161A0-29015/39025	适配: 汽车冷却水泵	适配: 90W叶轮总成, 民用高压泵 汽用冷却水泵

		
Model: 17007A1-W04P	Model: 18006A1-W08P	Model: 17029C1-N04P
Size: Ø42*Ø26.6*Ø5.0*H61	Size: Ø28.8*Ø4.0*H39.2	Size: Ø34.9*Ø4.0*H38.5
适配: 60W叶轮总成, 民用高压泵 汽用冷却水泵	适配: Benz 2118350064	适配: Audi/Volkswagen 059121012B

		
Model: 18006B1-W08P	Model: 22003A1-N04P	Model: 18034A1-N06P
Size: Ø28.8*Ø4.0*H39.6	Size: Ø35.2*Ø4.0*H47.2	Size: Ø31.6*Ø5.0*H41.3
适配: Benz 2218350165	适配: Audi/Volkswagen 1K0965561J	适配: Toyota PriusG9020-47031

用途: 汽车油泵DC/新能源车冷却泵/高楼层增压泵
Use: Automobile DC Oil Pump /New Energy Vehicle Cooling Pump/High-floor Booster Pump

钕铁硼系列 NdFeB Magnet



用途：汽车泵、风扇电机、风扇无刷直流电机
Use: Automobile Water Pump, Fan Motor, Fan BLDC Motor

磁粉→颗粒料→成型品 / Market Flow Of Bonded Magnet

磁粉(原料) Magnetic Powder (Raw Material)

磁粉
Ferrite Magnetic Powder

磁粉的开发. 生产
Development And Production Of Powder



颗粒料(中间原料) Compound (Middle Raw Material)

磁粉和尼龙的复合物 / Compounded With Resin
注塑用 / For Injection (PA, PPS, H.R.PA, EEA)
挤出用 / For Extrusion (EEA)



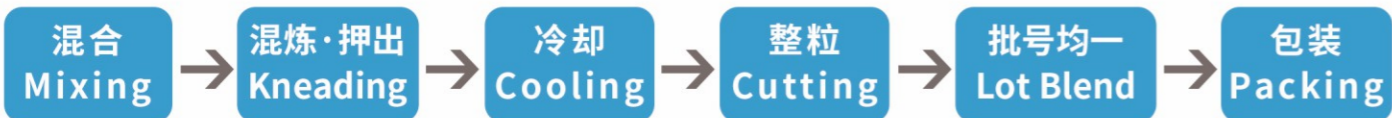
成型品(成品) Molding Thing (Parts Or Products)

成型 / Molding
配向 / Orientation Pattern
着磁 / Magnetizing

成型技术 / Molding Technology
模具设计技术 / Mold Die Design Technology



制造方法/ Manufacturing Process Of Compound



注塑磁原料检查基准

Injection molding raw material inspection benchmark

				尼龙6系列 PA6 SERIES				尼龙12系列 PA12 SERIES		PPS
		单位 (Unit)		TC-AM618	TC-AM619	TC-AM620	TC-AM621	UA1220	UA1221	PPS-1.5
磁力特性 Magnetic Properties	残留磁束密度	Residual Induction	Br mT(G)	278 (2780)	280 (2800)	285 (2850)	290 (2900)	289 (2890)	295 (2950)	245 (2450)
	保磁力	Coercive Force	bHc kA/m(Oe)	182 (2280)	200 (2510)	190 (2405)	180 (2280)	194 (2430)	192 (2400)	178 (2230)
	保磁力	Intrinsic Coercivity	iHc kA/m(Oe)	218 (2740)	234 (2939)	233 (2929)	211 (2650)	234 (2940)	231 (2900)	234 (2940)
	最大磁能积	Maximum Energy Product	(BH) max kJ/m ² (MG Oe)	15.2 (1.900)	15.5 (1.945)	16.0 (2.010)	16.5 (2.070)	16.5 (2.070)	17.5 (2.140)	11.8 (1.480)
物理特性 Physical Properties	成形密度	Mold Density	g/cm ³	3.57	3.61	3.66	3.73	3.68	3.7	3.41
	流动性	Melt Flow Rate	MI g/10min FT ml/sec	95 270°C/10Kg	79 270°C/10Kg	63 270°C/10Kg	70 270°C/10Kg	40 270°C/10Kg	58 270°C/10Kg	167 330°C/10Kg
	弯曲强度	Flexural Strength	MPa(kg/cm ²)	131	175	193	182	104	105	128
	弯曲弹性率	Flexural Modulus	GPa(kg/cm)	19.8	23.0	21.4	27.5	11.3	12.5	19.0
	拉伸强度	Tensile Strength	MPa(kgf/cm ²)	80	95	93	98	54	50	84
	伸展	Elongation	%	2.3	2.35	2.5	3.4	4.9	4.0	2.3
	冲击强度	IZOD Impact Strength	kJ/m ² (kgf·cm/cm ²)	12.5	16.3	24	13.5	20.1	21.6	12.3
	收缩率	Shrinkage	%	0.66	0.5	0.55	0.41	0.69	0.70	0.56
适应产品 Suitable for	直流无刷电机转子, 磁环, 磁轭等 Brushless DC motor rotor, Magnetic ring, Magnetic rod, etc.				转子, 磁环, 磁轭等 Rotor, Magnetic ring, Magnetic rod, etc.				水泵转子等 Water pump rotor, etc.	

永磁铁氧体颗粒料的退磁曲线

Demagnetization Curve Of Hard Ferrite Compound

【退磁曲线/ Demagnetization Curve】

各牌号的退磁曲线图

Demagnetization Curves Of Various Models

