



充磁设备

Magnetizing equipment

应用于磁性材料的磁化

Applied to magnetization of magnetic materials



—做进口设备的替代者—

—Be a substitute for imported equipment—

全国服务热线：400-777-9399

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工作原理

Working principle



充磁电源（主机）
Magnetizing power supply (main engine)

充磁线圈（充台）
Magnetizing coil (charging platform)

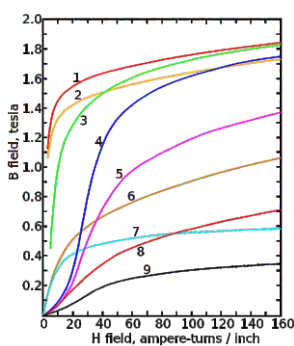
冰水机（冷却设备）
Ice water machine (cooling equipment)

利用高压电容进行储能，然后瞬间对充磁线圈放电，在充磁线圈上产生大电流，根据法拉第电磁感应定律，在充磁线圈上产生磁场，当磁场足够大到克服磁性材料的内禀矫顽力后，当外磁场消失后，磁性材料本身会有剩磁，这样就完成了充磁过程。

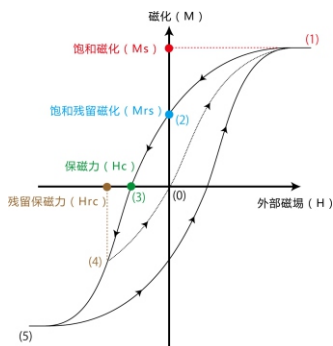
Use high voltage capacitor for energy storage and instantaneous discharge of magnetizing coil, produce large current on the magnetization coil, according to Faraday's law of electromagnetic induction, magnetic field on the magnetization coil, when the magnetic field is large enough to overcome the intrinsic coercive force of magnetic material, disappear when the external magnetic field, magnetic material can have residual magnetism itself, this completes the magnetization process.

磁性曲线及放电波形图

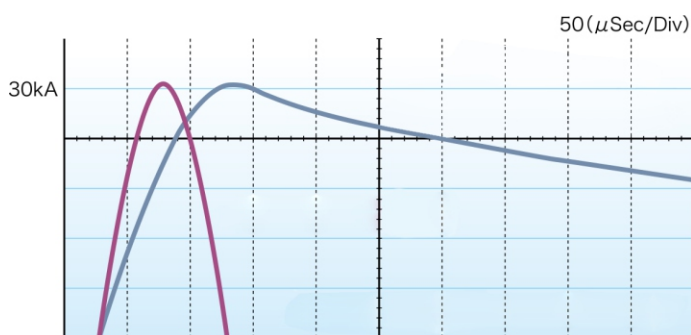
Magnetic curves and discharge waveforms



磁饱和图
Magnetic saturation



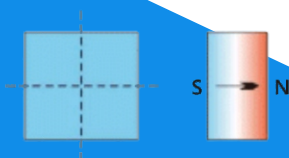
测定解析
Determination of parsing



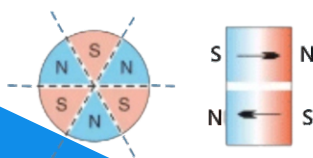
放电波形图
Discharge waveform

充磁方向

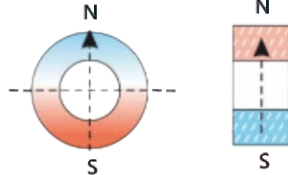
Magnetizing direction



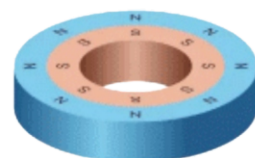
厚度方向充磁
Magnetization in thickness direction



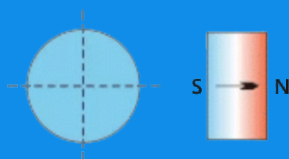
轴向多极充磁
Axial multipole magnetization



径向充磁
Radial magnetizing



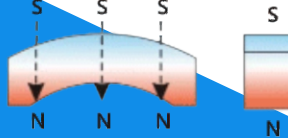
内外径辐射充磁
Radiation within the diameter of magnetization



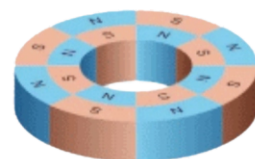
轴向充磁
Axial magnetization



表面多极充磁
Surface multipole magnetization



径向充磁
Radial magnetizing



辐射取向多极充磁
Radiation-oriented multipole magnetization

JIUJUOK®

电压重复精度：±3V
Voltage Repetition Accuracy: ±3V
过载保护，安全稳定
Overload protection, safety and stability
核心部件均采用进口品牌
Core components are imported brands



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4000V系列充磁机

4000V Series Magnetizer

超大功率，定制款充磁电源
Super power, new energy magnetization

产品概述： Product description

通过升压电路给高压电容进行充电，将储存于电容内的电荷通过控制电路对电感线圈进行瞬间放电，产生超强电流根据法拉第电磁感应定律，在电感线圈中间会产生超强磁场当磁场足够大到克服磁性材料的内禀矫顽力后，当外磁场消失后，磁性材料本身会有剩磁，这样就完成了磁性材料磁化的过程。

The high-voltage capacitor is charged by the boosting circuit, and the electric charge stored in the capacitor is passed through the control circuit to instantaneously discharge the inductor coil to generate a super-strong current. According to Faraday's law of electromagnetic induction, a strong magnetic field is generated in the middle of the inductor coil. After the magnetic field is large enough to overcome the intrinsic coercive force of the magnetic material, when the external magnetic field disappears, the magnetic material itself has remanence, thus completing the magnetization process of the magnetic material.

产品应用： Applications

磁性材料，铁铬钴，铝镍钴，钕铁硼，铁氧体等。
Magnetic materials, iron chromium cobalt, aluminum nickel cobalt, samarium cobalt, neodymium iron boron, ferrite, etc.

行业应用： Industry application

大型扬声器，大型电机，大型马达伺服，大型继电器，风力发电，新能源等等。
Large speaker, large motor, large motor servo, large relay, wind power, new energy, etc.



快速充磁
Rapid magnetization



输出稳定
Stable output



灵活操作
Flexible operating



多重保护
Multiple protection



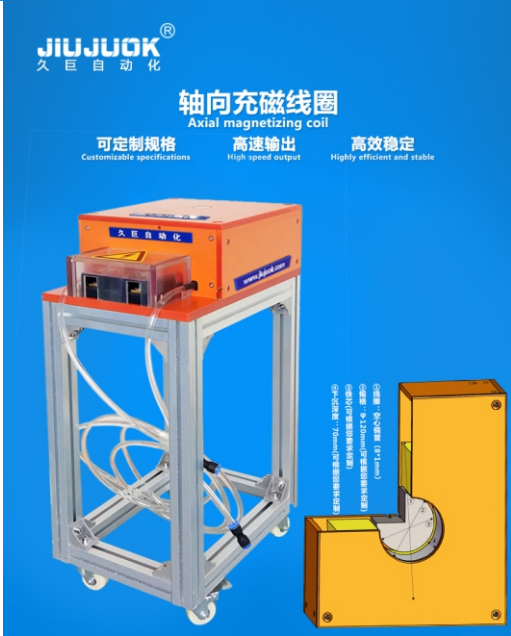
极速放电
Fast discharge



数显功能
Digital display function

Product parameters

产品名称 Product name	充磁机（4000V系列），可按客户要求定制各种规格充磁设备/退磁设备。以下为常用机型 Magnetizing machine (4000V series), can be customized according to customer requirements of various specifications of magnetizing equipment/demagnetizing equipment. The following are common models		
型号/规格 Model/specification	MA-4050	MA-4060	MA-4070
产品编号 Product number	128768	148888	168100
充磁电压 Official guidance price	0-3980V		
重复精度 Repeat accuracy	±3V LED数字显示 3V LED digital display		
电容容量 capacitance	5000UF±10UF	6000UF±10UF	7000UF±20UF
输出能量/电流 Output energy/current	48000 J	56000 J	64000 J
数据显 Data displa	1：输入电压（LED数码显示）；2：输出电压（LED数码显示） 1: input voltage (LED digital tube display); 2: output voltage (LED digital tube display)		
工作周期 Operating cycle	8.0S	9.0S	12.0S
集成控制 Integrated control	第三代PLC集成控制系统，脉冲移相控制技术，隔离升压系统，过流，过压，过温自动保护 Third generation PLC integrated control system, pulse phase shift control technology, isolation boost system, over current, over voltage, over temperature automatic protection		
精确设定 Accurate setting	多圈旋钮刻度指示电位调节控制器（具有带锁功能） Multi-turn twist scale indicating potential regulating controller (with locking function)		
配件品牌说明 Accessories brand that	进口油浸储能电容，平板可控硅，二极管，整流升压模块（进口品牌） Imported oil-soaked energy storage capacitor, flat panel thyristor, diode, rectifier booster module (imported brand)		
选配功能 Optional features	1：电容切换功能；后缀带“Q”退磁功能“T”；2：信号交互（MES,IO端口控制）等功能 1: Capacitance switching function; suffix with "Q" demagnetization function "T"; 2: Signal Interaction (ERP, MES, IO Port Control) and other functions		
整机质保 Machine warranty	整机保修二年，电容保修五年 The whole machine is guaranteed for two years and capacitor for five years		
外形尺寸 Overall dimensions	1350*950*1830mm		
重量 weight	870kg/带脚轮 870kg/castor	950kg/带脚轮 950kg/castor	1030kg/带脚轮 1030kg/castor
表面处理 Surface treatment	灰+白/烤漆 Grey + white/baking paint		
工作环境 Working environment	工作电压：380V /±10V /50HZ, 电流≤45A, 温度：≤80%，噪音：≤60db Operating voltage: 380V / 10V /50HZ, Current 45A, temperature: 80%, noise: 60db		



轴向充磁线圈
Axial magnetizing coil

产品概述：
Product description

电感线圈是利用电磁感应的原理进行工作的器件。当有电流流过一根导线时，就会在这根导线的周围产生一定的电磁场，而这个电磁场的导线本身又会对这个电磁场范围内的导线发生感应作用。

An inductance coil is a device that operates on the principle of electromagnetic induction. When an electric current flows through a wire, it creates an electromagnetic field around the wire.

(Ø30mm—Ø300mm均可定制)，以下常用标准规格
(30mm -- 300mm can be customized), the following common standard specifications

产品参数
Product parameters

型号/规格 Model/specification	Ø30-Ø100mm	Ø120-Ø180mm	Ø200-Ø300mm
产品编号 Product number	690410	890530	118700
散热方式 The cooling way	水冷循环散热/纯净水 Water-cooled circulation for cooling/purified water		
铁芯深度 The depth of the core	可依客户要求定制 can be customized according to customer requirements		
绝缘材质 Insulation material	高分子环氧绝缘材料 High polymer epoxy insulation material		
工作温度 Working temperature	≤65摄氏度 65 degrees Celsius or less		
线圈材质 Coil material	空芯铜管 (8*1mm) Hollow steel tube (8*1mm)		
外形尺寸 Overall dimensions	420*270*750mm - 490*340*750mm	530*360*750mm - 580*430*750mm	600*450*750mm - 720*550*750mm
重量 weight	25KG - 50KG	60KG - 80KG	90KG - 120KG



径向多极充磁线圈
Radial multipole magnetizing coil

产品概述：
Product description

充磁头的设计一般根据产品的具体要求进行，我们可以设计制作各种内外径向多极充磁头，平面（端面）多极充磁头，异型面多极充磁头，磁瓦充磁装置，闭路扬声器磁路充磁装置等。它的作用是将充磁机输出的电能转换成磁场。充磁过程中，温度将直接影响磁饱和。

The design of the magnetizing head is generally based on the specific requirements of the product. We can design and produce various internal and external radial multi-pole magnetizing heads and planes(end face) multi-pole magnetizing head, special-shaped multi-pole magnetizing head, magnetic tile magnetizing device, closed-circuit magnetic circuit magnetizing device, etc. It's alt is used to convert the electric energy output by the magnetizing machine into a magnetic field. During the magnetization process, the temperature will directly affect the magnetic saturation.

径向充磁线圈（直径10mm-300mm。极数4-128极，均可定制），以下常用标准规格
Radial magnetizing coil (diameter 30mm-300mm). Pole number 4-128 pole, can be customized), the following common standard specifications

产品参数
Product parameters

型号/规格 Model/specification	Ø10-Ø50mm	Ø60-Ø120mm	Ø140-Ø300 mm
充磁极数 Number of poles	4极，6极，8极，12极，24极，32极，64极，128极 Four pole, six pole, eight pole, twelve pole, twenty-four pole, thirty-two pole, sixty-four pole, one hundred and twenty-eight pole ,		
产品编号 Product number	580400	890620	148103
散热方式 The cooling way	水冷循环散热/纯净水 Water-cooled circulation for cooling/purified water		
铁芯深度 The depth of the core	可依客户要求定制 can be customized according to customer requirements		
绝缘材质 Insulation material	高分子环氧绝缘面板，线圈采用环氧树脂浇注 High polymer epoxy insulation material		
工作温度 Working temperature	≤65摄氏度 65 degrees Celsius or less		
线圈材质 Coil material	漆包铜线 Enameled copper wire		
外形尺寸 Overall dimensions	定制尺寸（根据产品大小而定）	定制尺寸（根据产品大小而定）	定制尺寸（根据产品大小而定）
重量 weight	以实际重量为准	以实际重量为准	以实际重量为准



工业循环冰水机

Industrial circulating ice water machine

产品概述：

Product description

冰水机工作原理是先向机内水箱注入一定量的水，通过冷水机制冷系统将水冷却，再由水泵将低温冷却水送入需冷却的设备。

The working principle of the ice-water machine is that a certain amount of water is injected into the internal water tank, which is cooled by the cold-water mechanism and the cooling system, and then the low-temperature cooling water is sent to the equipment to be cooled by the pump.

冷水机冷冻水将热量带走后温度升高再回流到水箱，达到冷却的作用。

The cooling water of the chiller will take away the heat and return it to the water tank after the temperature rises, so as to achieve the cooling effect.

(1P--2P--3P冰水机)，按使用频率或功率选择冰水机即可
(1P--2P--3P ice water machine), select the ice water machine according to the use frequency or power

产品参数

Product parameters

型号 Model	LS-1P	LS-2P	LS-3P
产品编号 Product number	750520	128890	158110
水泵扬程 Pump head	≥25M	≥25M	≥25M
循环水 Circulating water	纯净水或散热油 Pure water or cooling oil		
接管尺寸 To take over the size	10mm		
安全保护装置 Safety device	高低压，过载，防冻，延时，超温，流量等监控 High and low pressure, overload, anti-freeze, delay, over-temperature, flow monitoring		
工作环境 The work environment	工作电压：220V/±10V/50Hz，电流≤10A，温度：≤80%，噪音：≤60dB Operating voltage: 220V/10V/50Hz, current 10A, temperature: 80%, noise: 60db		
外形尺寸 Overall dimensions	400*400*750mm	500*500*750mm	600*600*750mm
重量 weight	45kg	55kg	70kg



冷水机

Cold water machine

型号：LS-1 Model no.: ls-1
编号：380270 Number: 380270
水泵扬程：≥12M Pump head: ≥12M
尺寸： Size: 410*410*510mm 410 * 410 * 510 mm
重量：30kg Weight: 30 kg



JJ-610H特斯拉高斯计

JJ-610h tesla gauss meter

产品概述：

Product description

JJ-610H特斯拉计可用于测量各种永磁体的表磁，特别适合铁氧体、稀土的表磁测量和电机磁瓦中心磁场的测量。具有极性判断、峰值锁定的功能。用户可根据需要，选配横向或纵向探头。

JJ-610h tesla meter can be used to measure the surface magnetism of all kinds of permanent magnets, especially suitable for the surface magnetic measurement of ferrite and rare earth and the measurement of the center magnetic field of motor magnetic tile. With polarity judgment, peak locking function. Users can choose horizontal or vertical probes according to their needs.

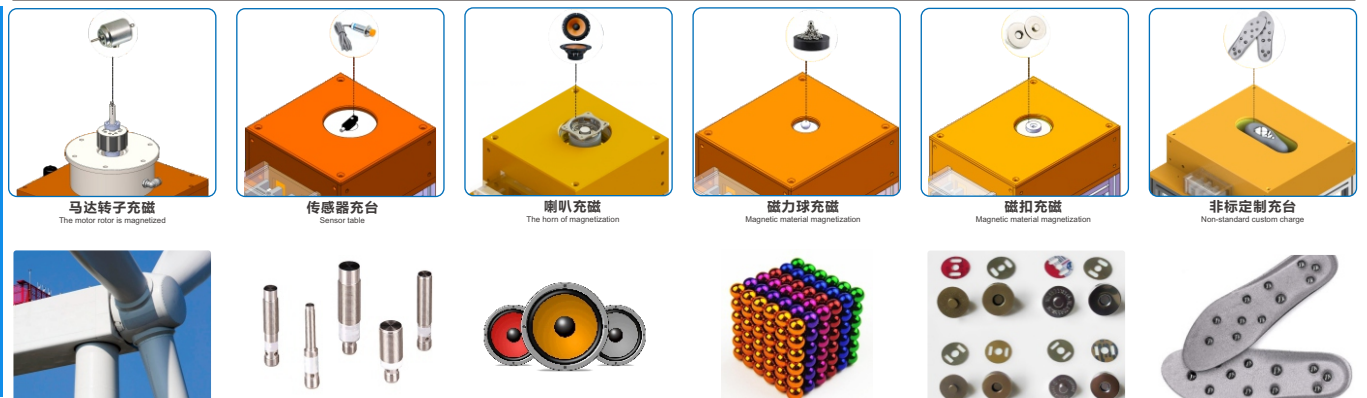
产品参数

Product parameters

供电方式 The power supply mode	交流 AC 220V±10% 50Hz, 0.25A
显示方式 Display mode	三位半LED (或LCD) 数字显示 Three and a half LED (or LCD) digital display
产品编号 Product number	320220
量程范围 Scale range	200mT、2000mT二档 Second gear, 200mT, 2000mT
最小分辨率 Minimum resolution	0.1mT (1Gs)
准确度 accuracy	优于0.5% (满量程，在均匀场中校对) Better than 0.5% (full range, calibration in uniform field)
探头接口 The probe interface	5芯航空插座 5 core air socket
外形尺寸 Overall dimensions	金属机箱：235×90×330mm (宽×高×深) 塑料机箱：175×83×230mm (宽×高×深) Metal chassis: 235×90×330mm (width × height × depth) plastic chassis: 175×83×230mm (width × height × depth)

磁化实物展示

Magnetized object display



Hisense

KONKA 康佳

SKYWORTH
创维

LG

小米
xiaomi.com

ZTE中兴

F&D 奋达

Haier 海尔

MeiLooon
美隆

HIVI 惠威音响

MEIZU 魅族

鸣跃电子

步步高

harman/哈曼

SAMSUNG
三星

HUAWEI

ER 天目

lenovo 联想

TCL 通力

oppo

TCL

Midea

HITACHI
Inspire the Next

FOXCONN
富士康科技集团

htc

NUOIQ 努比亚

CHANGHONG 长虹

GREE 格力

SONY

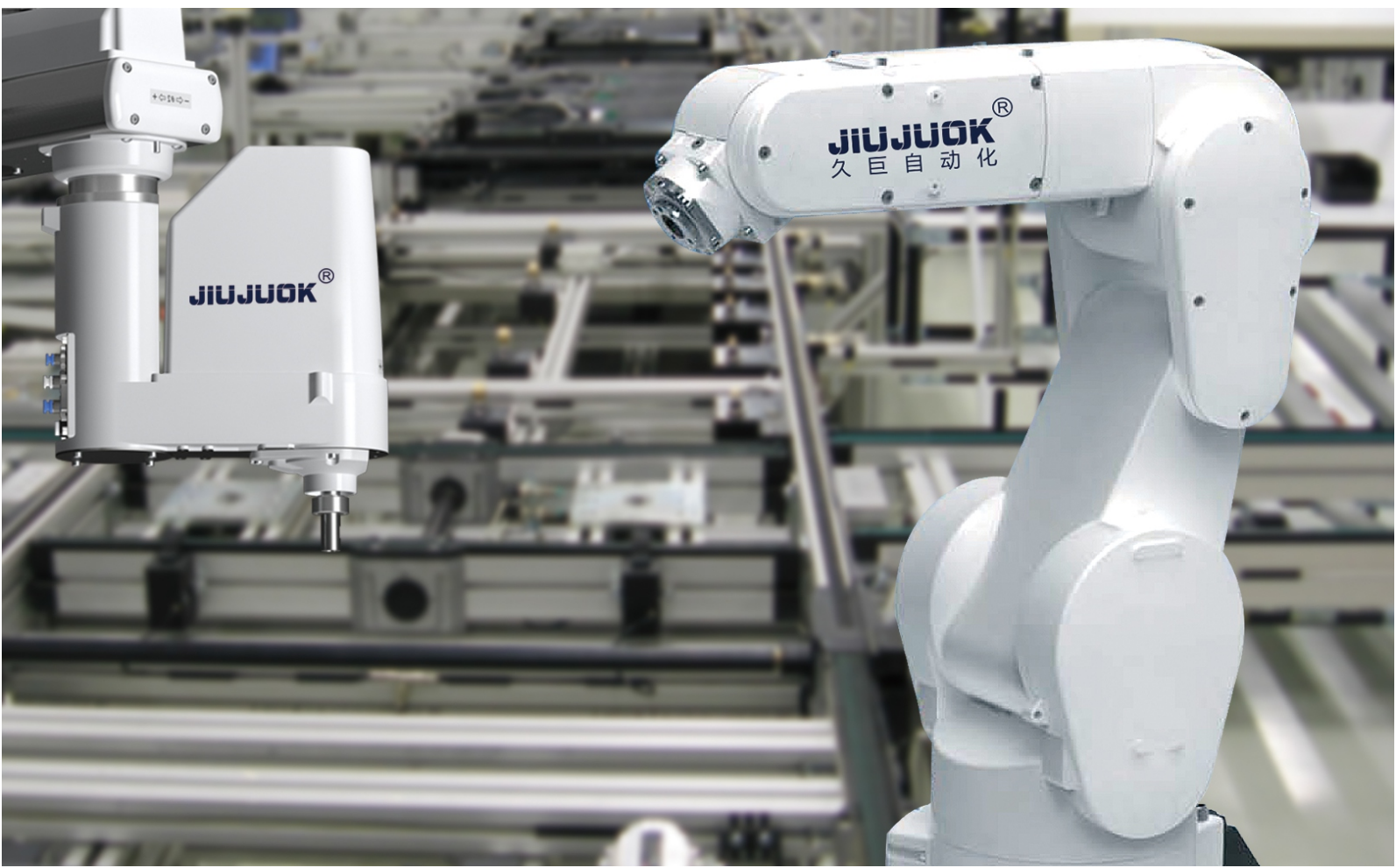
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jhic 景华

HIKVISION
海康威视

腾鹏电子

ADAYO





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