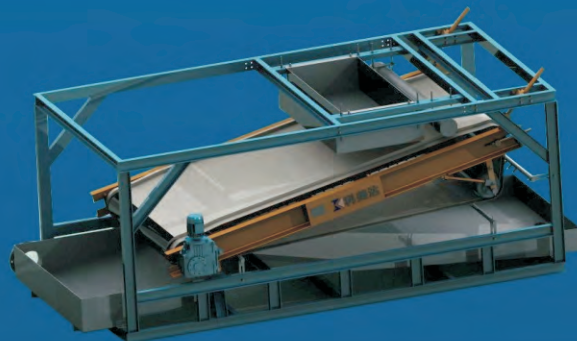


科技创新 完美服务 品质达优

# Belt Type High Gradient Magnetic Separator

## 高梯度带式磁选机



WWW.KEMEIDA.COM



科美达电气  
KEMEIDA ELECTRIC





# COMPANY PROFILE

## 企业简介

湖南科美达电气股份有限公司位于湖南省岳阳经济技术开发区，东距京广高铁岳阳客运站5km、京珠高速公路连接口24km、107国道连接口2km,南至长沙黄花机场150km,西至京广铁路客运站7km,北至长江城陵矶港口8km、武汉天河机场270km,交通十分便利。江南三大名楼之岳阳楼、中国爱情名岛之君山岛、中国古建筑第一村之张谷英村三大湖南旅游名胜距公司距离分别为10km、18km、70km。

科美达是专业从事电磁冶金、磁力起重、磁力分选、冶金与矿山等设备的研发、制造、销售与服务的高新技术企业，公司被认定为湖南省软件企业，是湖南省电磁装备产业技术创新战略联盟理事长单位。

科美达是湘北地区机电制造能力最强的企业之一，占地6.7万平方米，拥有标准化厂房4.2万平方米，各类专业化设备仪器500多台(套)，其中大型数控镗铣、数控车、数控深孔钻镗、加工中心、热处理和表面处理等高端先进设备20多台(套)。拥有的数控落地镗床和数控龙门铣床分别能加工16000(L)×5000(H)和13000(L)×5000(W)×3000(H)的大型工件、井式热处理炉能对Φ900(D)×6500(L)的轴类件进行调质和氮化处理。

我们的主要产品有电磁搅拌成套设备、磁力起重成套设备、磁力分选设备、带材卷取设备、成套连铸机和辊压机等，产品广泛用于钢铁、有色、矿山、煤炭、造船、建材、食品、科研等行业。经过不断的市场开拓，公司已拥有宝钢、武钢、中船、中联重科等近500家客户，遍及国内29个省、自治区和直辖市，并远销包括美国、德国、日本、印度、越南、加拿大、巴西等在内的30多个国家和地区。

科美达传承于1972年建厂的原国营岳阳起重电磁铁厂，作为国内电磁行业的龙头企业之一，技术实力雄厚，承担过“高效节能起重电磁铁”和“电磁搅拌成套设备”两项国家火炬计划项目，开发了世界上搅拌断面最大的电磁搅拌器，新技术和新产品不断推陈出新，共获得38项专利权(其中3项发明专利)和3项软件著作权，公司被认定为国家级电磁技术研发与检测中心、省级企业技术中心、岳阳市电磁工程技术研究中心。

我们于2001年通过了ISO9001质量管理体系认证；2010年，产品通过了欧盟CE认证；2012年，磁选产品取得国内煤安及防爆认证；严格的产品质量管理体系为科美达产品质量达到国际先进水平提供了有力保障。

我们构建了完善的客户服务体系，拥有规模大、经验丰富的技术服务队伍，能为客户提供专业而及时的技术支持和售后服务。

秉承“科技创新、完美服务、品质达优”的企业理念，围绕电磁冶金、带材卷取、物料粉磨、物料分选等应用，我们将持续创新，着力打造“科美达”品牌，为客户提供更加全面、优质的产品与贴心的服务。





HUNAN KEMEIDA ELECTRIC CO., LTD. With a very convenient traffic, lies in Yueyang Economic Development Zone in Hunan Province, 5km east to Yueyang Railway Station of Wuhan–Guangzhou Railway, 24km to Beijing–Zhuhai Highway Access, and 2km to 107 National Highway, 150km south to Changsha Huanghua Airport, 7km west to Yueyang Railway Station of Beijing–Guangzhou Railway, 8km north to Chenglingji Port, 270km to Wuhan Tianhe Airport. The three popular scenic spots of Hunan Province, Yueyang Tower, which is one of the three famous towers in south of Yangtze. Junshan Island, which is a famous China Love Island, and Zhang Guying Village, which is a famous ancient architectures, the distance from our company are 10km, 18km, 70km.

We are specializes in research, manufacture, sales and service of electromagnetic metallurgical, magnetic force lifting, magnetic force separation, and been recognized Hunan Province Software Enterprise, and is one of Director Enterprise of Hunan Province Electromagnetic Equipment Industry Technology Innovation Strategic Alliances.

KEMEIDA is one of strongest enterprise at electromechanical manufacturing capacity in Hunan north area. The company occupies a ground space of 67000m<sup>2</sup> with 42000m<sup>2</sup> standard workshop and 500 sets various professional equipments, such as Large CNC boring machine, CNC lathe, CNC depth drill machine, machining center, heat treatment, surface treatment, etc. The large-sized work piece(16000 ( L ) x5000 ( H ) and 13000 ( L ) x5000 ( W ) x3000 ( H ) ) can be processed by the CNC floor type boring machine and CNC planer type milling machine. The large-sized bear(Φ900 ( D ) x6500 ( L ) ) can be tempered and nitrogen treatment by the well-type heat treatment furnace.

Our main product such as Electromagnetic Stirring Equipment, Magnetic Force Lifting Equipment, Magnetic Force Separation Equipment, Strip Coiling Equipment, Continuous Casting Machine, Roller Press and so on. The equipment is widely used in metallurgical, metal, mining, coal industry, shipbuilding industry, building materials, food industry, scientific research, etc. Our product has been used in 500 clients, such as Bao steel, Wuhan steel, China shipbuilding, Zoomlion Heavy Industry, etc, around 29 province, municipality and exported to 30 countries and regions, such as America, Japan, Germany, India, Vietnam, Canada, Brazil, etc.

As a leading enterprise of Yueyang electromagnetic industry and built upon former Yueyang Electromagnet Factory established in 1972, with strong technology, undertake of two national Torch Plan projects which is “High Efficiency Energy-saving Lifting Electromagnet” and “Electromagnetic Stirrer”, developed a biggest section Electromagnetic Stirrer in the world, and new technology and new product will be created continuous. We has successively obtained 38 national patents (3 invention patents) and 3 software literary properties, Our company is considered an National Electromagnetic Technology Researching and Testing Center, Province Enterprise Technology Center, Yueyang Electromagnetic Engineering Technology Research Center.

We have obtained ISO9001, CE Certificate, Coal Mine Safety and Explosion-proof Certificate. It would be ensure our product quality upon to International advanced level through the strict product quality management system.

The impeccable customer service system has been created with many and rich experience technical service team, to provide specialty technical supporting and after-sale service in time for our customers.

In accordance with “Technology Innovation, Perfect Service, Excellent Quality” business philosophy, round application with electromagnetic metallurgical, strip coiling, material grinding, material separation, etc. We will be insist on innovation to built “KEMEIDA” world brand, and provide better quality product and service for our customers.



Belt Type High Gradient  
Magnetic Separator  
高梯度带式磁选机

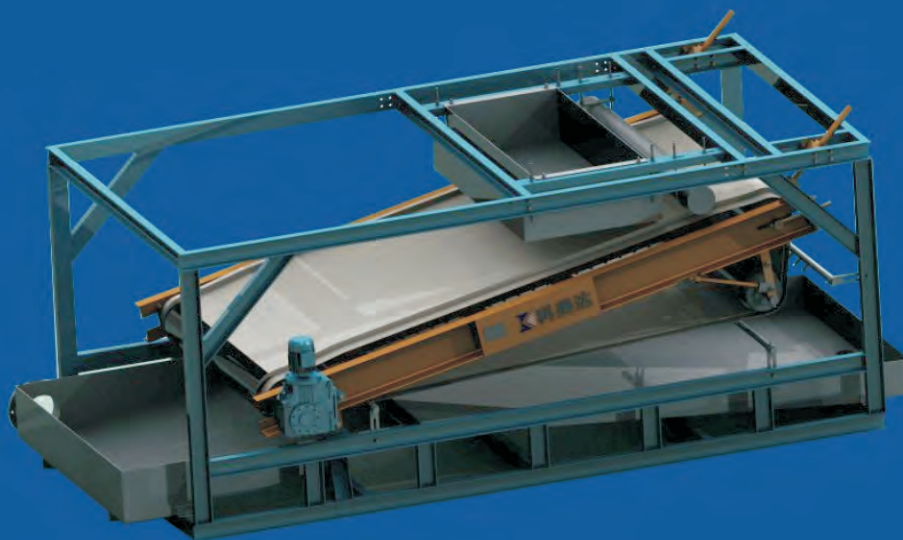
概述  
General

## CBN系列高梯度带式磁选机

Belt Type High Gradient Magnetic Separator Series CBN

高梯度带式磁选机是一款专用于小细粒级（粒径不高于2mm）矿处理，并对矿物中的磁性物进行分离的高性能磁选设备。

Belt type high gradient magnetic separator is a high performance magnetic separation equipment dedicated for small size ore (particle size is less than 2 mm) processing and magnetic material separating from mineral.



## 主要应用范围

### Main Application Range

非金属:石英、长石、高岭土、耐火材料的提纯除杂;

Purifying and removing impurity from nonmetal material, such as quartz, feldspar, kaolin, fireproofing material;

黑色金属:假象赤铁矿、赤铁矿、褐铁矿、菱铁矿、钛铁矿、锰矿的回收;

Recycling the ferrous metal, such as martite, hematite, limonite, siderite, ilmenite, manganese;

有色金属:黑钨矿、石榴石等矿物的分离等;

Separating the nonferrous metal, such as wolframite, garnet and so on;

稀有金属:钽铌铁矿、铁锂云母、独居石、磷钇矿等矿物的回收。

Recycling the rare metals, such as Tantalum niobite, Lithium iron mica, monazite, xenotime etc.





Belt Type High Gradient Magnetic Separator Series CBN  
CBN系列高梯度带式磁选机

## 主要特点 Main Features

1. 独特的磁路结构，磁场梯度高，磁板表面磁感应强度可达1.4T,最高可达2.0T。

With unique magnetic loop structure, high magnetic field gradient, the magnetic flux density at magnetic-plate surface can get 1.4T, the max. magnetic flux density is up to 2.0T.

2. 物料运动方向的宽幅磁场结构，扫选面积大，减少磁场盲区，提高效率。

With wide magnetic field structure of material direction, large scavenging area, meanwhile, reducing magnetic field dead zone, increasing efficiency.

3. 倾斜式安装，角度可调。

Tilting installation, angle is adjustable.

4. 永磁式磁场，只需皮带电机，节能、省电。

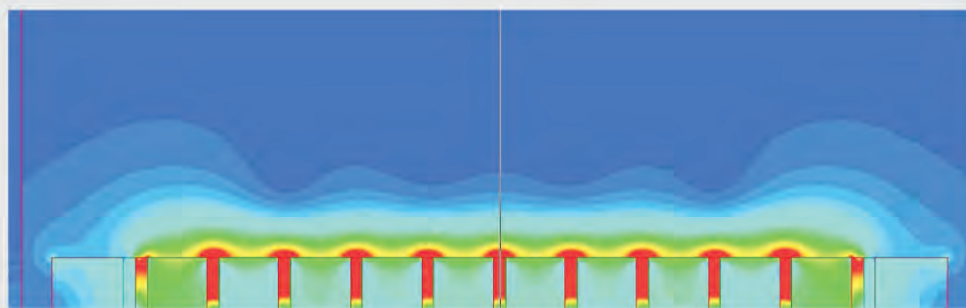
Adopting permanent-magnetic type magnetic field, the belt motor is needed only, power-saving.

5. 磁性物料自动卸料，与非磁性物料卸料区完全隔开。

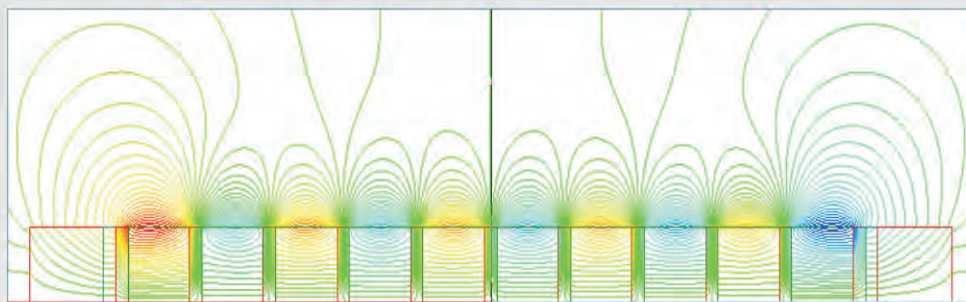
Magnetic material can be discharged automatically, complete separated with nonmagnetic material.

6. 结构简单、使用维护方便，故障率低。

Simple structure, easy operation and maintenance, low failure rate.



磁场效果图 Magnetic Field Diagram



磁力线分布图 Magnetic Force Line Layout Diagram

Belt Type High Gradient Magnetic Separator Series CBN

CBN系列高梯度带式磁选机

技术参数表 Technical Parameter Table

| 型号<br>Model | 磁板宽度<br>(mm)<br>Width of<br>magnetic<br>plate | 物料<br>处理量<br>(t/h)<br>Handling<br>capacity | 矿浆<br>浓度<br>Pulp<br>Density | 磁场<br>强度<br>(mT)<br>Magnetic<br>field<br>intensity | 功率<br>(kW)<br>Power | 外形尺寸 (mm)<br>A × B × C<br>长 × 宽 × 高<br>Overall dimension(L × W × H) | 重量<br>(kg)<br>Weight |
|-------------|-----------------------------------------------|--------------------------------------------|-----------------------------|----------------------------------------------------|---------------------|---------------------------------------------------------------------|----------------------|
| CBN-6       | 600                                           | 8                                          | 10%                         | 皮带上<br>表面<br>900<br>Belt<br>upper<br>surface       | 1.1                 | 3250 × 1450 × 1580                                                  | 2300                 |
| CBN-8       | 800                                           | 10.5                                       |                             |                                                    | 1.5                 | 3250 × 1580 × 1580                                                  | 2530                 |
| CBN-10      | 1000                                          | 13                                         |                             |                                                    | 1.5                 | 3450 × 1750 × 1620                                                  | 3010                 |
| CBN-12      | 1200                                          | 16                                         |                             |                                                    | 2.2                 | 3450 × 1950 × 1620                                                  | 3480                 |
| CBN-15      | 1500                                          | 20                                         | 30%                         |                                                    | 2.2                 | 3650 × 2250 × 1720                                                  | 3880                 |
| CBN-20      | 2000                                          | 26.5                                       |                             |                                                    | 3.0                 | 3650 × 2810 × 1720                                                  | 4450                 |
| CBN-25      | 2500                                          | 33                                         |                             |                                                    | 4.0                 | 3650 × 3370 × 1720                                                  | 5100                 |

注：可按客户要求定制其它磁场等级的产品，设备要求请定货时注明。系列等级如下(Gs): 5000, 6000, 7000, 8000, 9000, 10000, 11000。  
Note: We can according to customer's requirement to design other magnetic field grade products, the requirements have to indicate when placing order. Field grades are as below(Gs): 5000, 6000, 7000, 8000, 9000, 10000, 11000.

使用现场及效果 Working Site and Effect



流动的矿浆 The flow pulp



选出的铁 The selected tramp iron

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