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磁选·除铁设备

MAGNETIC SEPARATION









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公司简介

浙江天力装备科技股份有限公司是国家高新技术企业，浙江省专精特新企业，成立于2006年，位于素有“中国磁都”“东方好莱坞”之称的浙江省东阳市，交通便利，距义乌机场仅20公里，公司集科研开发、工艺设计、安装服务于一体，是磁选、除铁、起重、涡电流分选、智能传感分选、智能分拣机器人及各种固废分选设备的专业化制造公司，公司与国内多所高校和科研单位密切合作，先后开发出磁选、除铁、起重、涡电流分选、智能传感分选、智能分拣机器人、移动分选、固废分选等几十种产品几百个规格，公司拥有多项发明专利，几十项实用新型专利。

公司产品广泛应用于矿山、建材、煤炭、砖瓦、冶金、化工、造纸、橡胶、玻璃、食品、环保等行业及生活垃圾、陈腐垃圾、废旧电子电器、建筑装修垃圾、大件垃圾、废钢尾料、垃圾发电厂焚烧炉渣处理等城市矿产行业。

公司拥有自营进出口权，产品遍布全国各地并出口三十多个国家的地区，凭借良好的企业资质、先进的生产技术、过硬的产品质量、合理的价格、完善的售后服务，与广大客户真诚合作、开拓进取、共图发展，向世界一流的企业迈进，公司全体员工热情欢迎国内外新老客户光临指导。

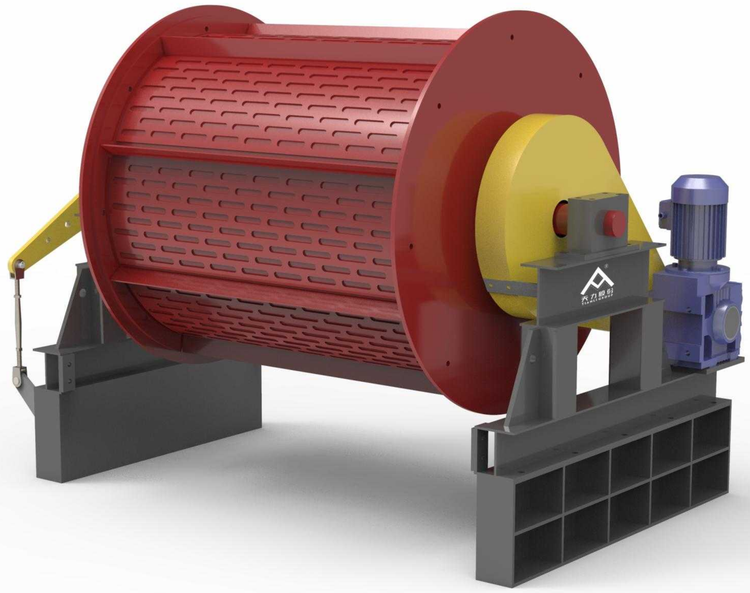
ZHEJIANG TIANLI EQUIPMENT TECHNOLOGY CO.,LTD.,focus on the Magnetic &sorting,eddy current separation,sensor separation technology application, providesmaterial recycling and processing solutions for industry such as recycling, mining, electricity and construction, etc.

Especially in recycling industry,by the innovative product like ESC machine,sensing metal separator, drum magnet,.etc. and optimized solutions,we can guar antee metals recovery reach to 95-98% when they are employed in PET plastic scrap steel, waste rerfgerator, sawdust, living garbage, paper pulp and other processing line and bring big profits to clients.

Tianli Group attaches great importance to brand promotion and participates in conferences and exhibitions of various industries at home and abroad every year, including Shanghai, Guangzhou, Germany, America, Australia, Singapore, South Korea, etc. We always keep close communication with customers, constantly absorb and introduce foreign new ideas and technologies,and constantly develop and improve our products.

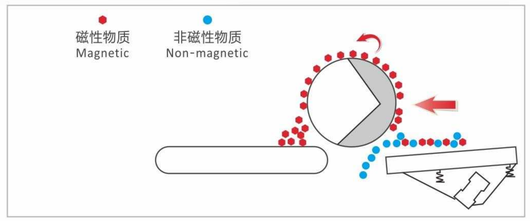
Tianli Group has developed rapidly and is a direct supplier of magnetic separation, eddy current separator, induction separator and other equipment to many engineering companies, contractors and technical consulting companies at home and abroad. We look forward to further cooperation with you!

www.dytldcsb.com



TLSXG(D) 上吸式磁滚筒

TLSXG(D) MAGNETIC DRUM

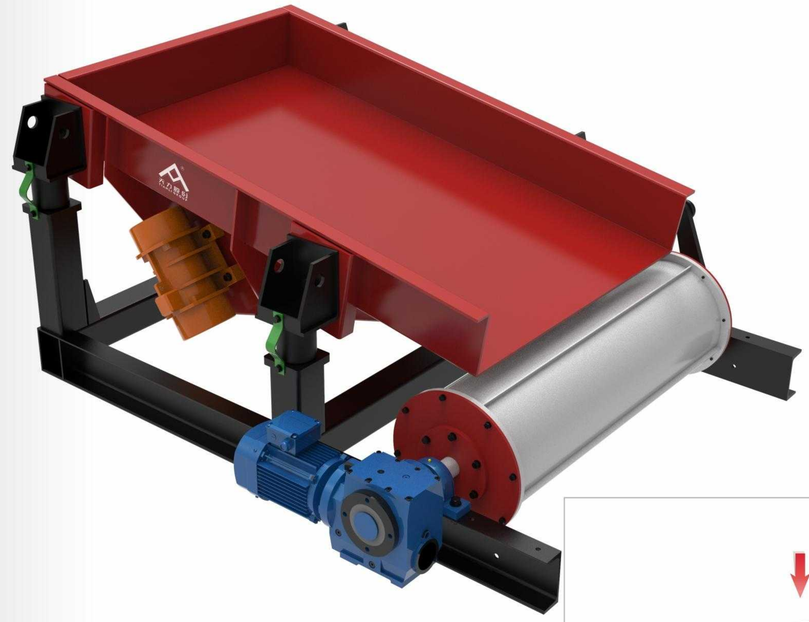


产品优势 PRODUCT ADVANTAGE

- 滚筒表面带有滚筒保护装置，较传统的自卸式的除铁器相比，有效的减少尖锐铁质对其的伤害，有效的防止大件铁质对皮带的拉张磨损，延长使用寿命， 维护成本小，降低运行成本；
- 延着皮带运行方向安装，适用于任何角度的皮带机安装；
- 选择筒式磁选机可以分选出更高纯度的铁磁物质；
- 采用上吸式的安装方式，分离出的大件铁质干净，不带任何的非磁杂质。
- Select drum magnetic separator can be extracted to higher purity ferromagnetic substance.
- Adopt the suction on the installation, the iron be separated is clean, without any non magnetic impurities.
- Roller surface has protection device, compared with the traditional self-unloading type magnetic separator, effectively reduce sharp iron damage to equipment, and prevent the big iron wear of belt tension, extend the service life, lowmaintenance costs, reduce running cost.
- Along the belt running direction installation, reducing the installation space, applicable to any Angle belt conveyor installation.

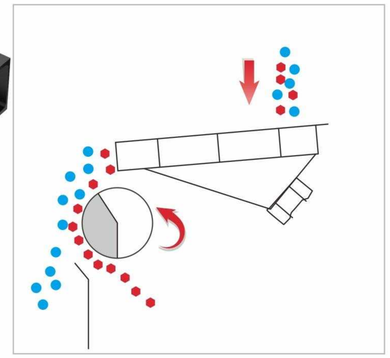
产品简介 PRODUCT INTRODUCTION

- 电磁式和永磁型；
- 用于加工各类有色金属；
- 自动地分离铁磁性物质；
- 适用于废钢，含铁量大和有尖锐铁件的物料。
- Electromagnetic type and perm-magnet type.
- Automatic continuous separation of ferromagnetic substance.
- For processing from many nonferrous metals.
- Suitable for steel scrap, separation for large amount of iron and iron sharp materials.



TLRCT 上部进料磁滚筒

TLRCT UPPER FEED MAGNETIC DRUM



产品优势 PRODUCT ADVANTAGE

- 磁场强度强、磁场的范围大、磁滚筒表面从1000-8000GS根据客户实际情况选定；
- 滚筒采用有效的防护装置，防止筒皮磨损；
- 自动分离、连续作业、处理量大、回收率高；
- 结构简单、运行可靠、易于安装。
- Drum adopt effective protective device, to prevent the cylinder wear.
- Strong magnetic field intensity, the range of magnetic field is big, magnetic drum mixer surface from 1000-8000gs selected according to the customer.
- Automatic separation, continuous operation, large capacity, high recovery rate.
- Pieces of simple structure, reliable operation, easy to install.

产品简介 PRODUCT INTRODUCTION

本产品是经振动给料机从磁选滚筒上部进料的一种半磁封闭式结构磁选设备。磁场强度800-8000Gs可选，吸铁能力大，分选效果好。

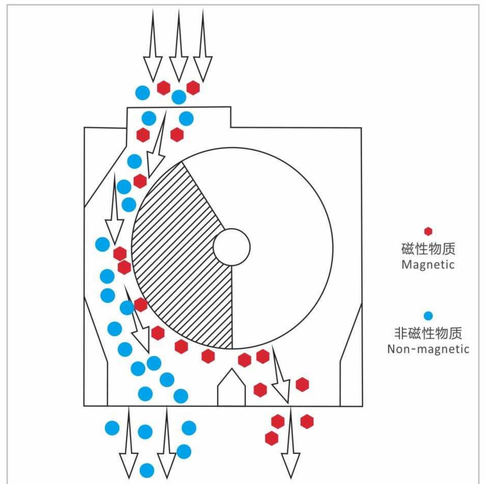
本设备适用于经破碎后的各种块状或大颗粒状的物料中去除铁磁性物质。

This product is a kind of Semi-magnetic closed-type structure magnetic separator, which is fed by vibrating feeder from the upper part of magnetic drum. The magnetic field strength of 800-8000Gs can be selected.

The equipment is suitable for removing ferromagnetic materials in various bulk or large granular materials after crushing.







CXGA 干式磁选机

CXGA DRY TYPE MAGNETIC SEPARATOR

产品优势 PRODUCT ADVANTAGE

永磁磁系，耗能省；设备根据情况，选用单级或者多级磁选，分选效果好。

Permanent magnetic system can save the energy. Follow the specific situation to selected Single or multi-stages magnetic separation guarantee the separating effect.

本产品适用于经细破后或筛分后粉尘较多的各种细小颗粒的物料中去除铁磁性物质。

This product is applicable to remove ferromagnetic materials with various fine particles after fine breaking or screening.

产品简介 PRODUCT INTRODUCTION

本产品是经振动给料机从磁选滚筒上部进料的一种半磁敞开式结构磁选设备; 磁场强度800-8000Gs可选，吸铁能力大，分选效果好。

This product is a kind of semi-magnetic open-type structure magnetic separator, which is fed by vibrating feeder from the upper part of magnetic drum. The magnetic field strength of 800-8000Gs can be selected.

天力–科技让资源再生

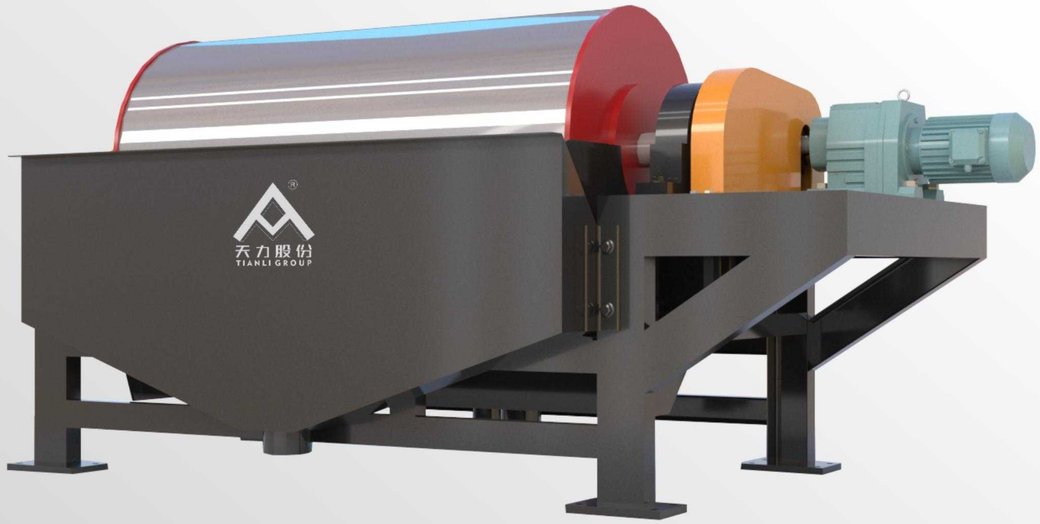
CTL 干式磁选机

CTL SERIES PERM-MAGNETIC DRY-TYPE SEPARATOR

适用范围 SCOPE OF APPLICATION

- 可用于低品位矿石的预选工作，预富集矿石资源，提毫入磨品位，降低选矿成本，
- 用于尾矿再选，回收尾矿坝干坡段相对富集的尾矿；
- 用于硫酸渣干粉的磁选提纯；
- 用于非磁性物料的除铁，效果明显，选矿成本低廉；
- 用于磁选厂精粉提纯作业，抛除铁精粉中的贫连生体及脉石，提高精粉等级，增加选厂产品技术附加值。

- Used for the preliminary separation of low grade ore to increase the grinding grade and lowerore processing cost.
- Used for the processing of ore tailings and recollection of the relatively concentrated tailings from the dry sections of the tailing pond.
- Used or the concentrate punfication operation in magnetic separation factories to remove the lean inter-growth and gangue from the concentrate to improve its grade and the value-added of the products.
- Used for the economic and effective ron removal of non-magnetic materials.
- Used for the purfication of the dried pyrite cinder.



CTS(B,N) 湿式永磁筒式磁选机

CTS(B,N) WET DRUM MAGNETIC SEPARATOR

产品简介 PRODUCT INTRODUCTION

CTS系列顺流式磁选机，专用于粗颗粒矿砂的预选，如河砂、海砂等粗颗粒级别的砂矿，同时适用于回收磁性重介质。

CTB系列半逆流式磁选机，适用于选矿厂磨选流程中阶段选别作业，可以得到较高的精矿质量和金属回收率，使用广泛。

CTN系列逆流式磁选机，适用于细粒强磁性矿石的粗选和扫选作业，矿浆经过较长的选别区，尾矿中金属回收率高。

CTS series of downstream magnetic separator, specially used for coarse particle primary ore, such as river sand, sea sand and coarse level of sands, and is suitable for the recovery of magnetic medium.

CTB half counter-current type magnetic separator, suitable for grinding mill selection process stage work, can get higher concentrate quality and metal recovery, is widely used.

CTN counter-current type magnetic separator, suitable for fine-grained strong magnetic ore roughing and scavenging, pulp after long area, metal loss in tailings is less, high metal recovery.

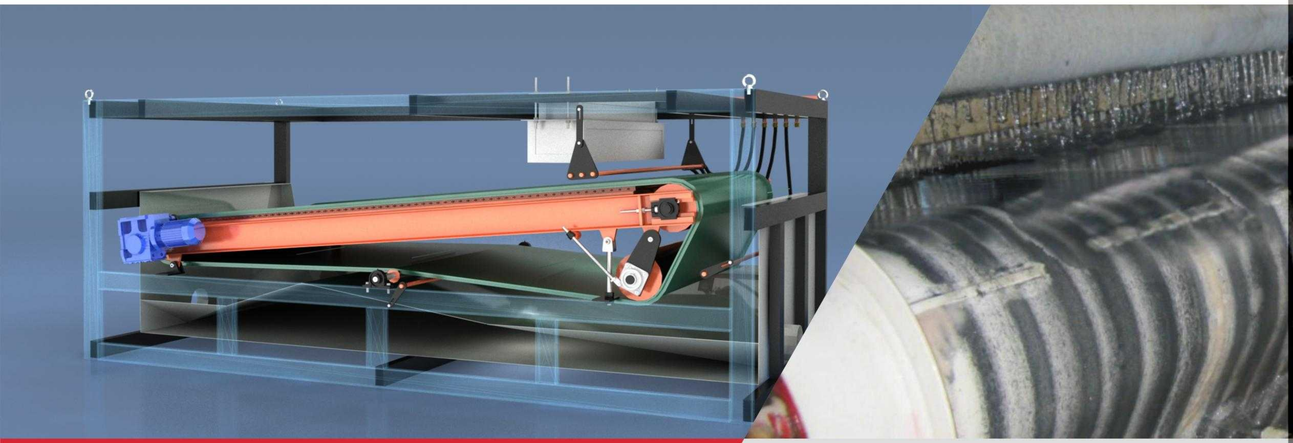
产品优势 PRODUCT ADVANTAGE

- 磁系材料采用高剩磁高矫顽力磁性材料制造，具有非常好的抗退磁能力，八年退磁不超过5%；
- 磁系采用可靠的固定方案，确保磁组永不脱落和损坏，无故障运行；
- 槽体两侧有排淤装置，方便清理槽体内的淤积；
- 筒体保护有包胶保护、高效不锈钢保护、耐磨陶瓷保护、超高分子耐磨材料保护四种方式供客户选择；
- 鸭嘴型冲水管，对水质的适应性强，水压大，有效省水50%。

- Magnetic materials with high remanence coercivity magnetic materials manufacturing, has the very good resistance to demagnetization, demagnetization eight years less than 5%.
- Magnetic system with reliable fixation, ensure magnetic group will never fall off and damage, trouble-free operation.
- On both sides of the tub with silt device, convenient cleaning sedimentation in the tub.
- Cylinder protection with plastic bags,high efficiency stainless steel protection,wear-resisting ceramics,ultra-high molecular wear-resisting material protection four ways for customers to choose.
- Duck mouth wash pipe, strong adaptability of water quality, water pressure is big, effective save water by 50%.

产品规格 Product Parameters

设备型号 Type	规格 Specifications 筒径 (mm)	筒长 (mm)	转速 Speed(r/min)	筒表磁感应强度 Magnetic induction intensity of drum gauge(GS)	处理能力 Processing Power t/h	m³/h	外型尺寸 Installation dimensions	功率 Power(kw)	重量 Weight(kg)
CTS(B,N)-409	Φ400	900	30	按照矿物性质确定磁感应强度 The magnetic strength should bedetermined inaccordance with thenature ofthe ore	1-3	3-8	1880×850×860	1.1	720
CTS(B,N)-412	Φ400	1200	30		1-4	3-10	2080×850×860	1.1	800
CTS(B,N)-510	Φ500	1000	30		3-5	10-15	1980×950×960	1.5	900
CTS(B,N)-512	Φ500	1200	30		3-7	10-20	2180×950×960	1.5	980
CTS(B,N)-515	Φ500	1500	30		5-8	15-40	2480×950×960	1.5	1050
CTS(B,N)-612	Φ600	1200	30		8-10	20-50	2280×1000×1020	2.2	1130
CTS(B,N)-615	Φ600	1500	30		8-15	20-60	2580×1000×1020	2.2	1390
CTS(B,N)-712	Φ750	1200	35		10-15	30-80	2330×1770×1280	3.0	1850
CTS(B,N)-718	Φ750	1800	35		20-35	50-120	2930×1770×1280	3.0	2430
CTS(B,N)-918	Φ900	1800	28		25-40	80-150	3095×1769×1465	4.0	2750
CTS(B,N)-924	Φ900	2400	28		40-55	120-190	3695×1769×1465	4.0	3650
CTS(B,N)-1015	Φ1050	1500	21		38-50	110-180	2815×1999×1565	5.5	3120
CTS(B,N)-1018	Φ1050	1800	21		45-60	130-200	3115×1999×1565	5.5	3600
CTS(B,N)-1021	Φ1050	2100	21		52-70	150-240	3415×1999×1565	5.5	4200
CTS(B,N)-1024	Φ1050	2400	21		60-80	160-280	3715×1999×1565	5.5	4800







TLGP 平板式高梯度磁选机

TLGP PLATE TYPE HIGH GRADIENT MAGNETIC SEPARATOR

产品规格
Product Parameters

型号 Type	磁板尺寸 Size Of Magnetic Separation Zone(mm)(L1*W1)	外型尺寸 Size (mm)(L*W*H)	处理量 Processing Capacity (t/h)	磁场强度 The High Magnetic Intensity(Gs)	进料粒度 Particle Size (mm)	功 率 Power (kw)
TLGP-616	600×1600	3760×1320×1450	1-3	13000-16000	≤5	1.1
TLGP-622	600×2200	4350×1320×1650	3-5			1.5
TLGP-918	900×1800	4080×1650×1500	5-10			2.2
TLGP-924	900×2400	4520×1650×1750	10-15			3.0
TLGP-1224	1200×2400	4520×2010×1750	15-20			4.0
TLGP-1524	1500×2400	4520×2340×1750	20-25			5.5
TLGP-1824	1800×2400	4520×2680×1800	25-30			7.5
TLGP-1830	1800×3000	4480×2680×1950	30-35			11

主要适用于粒度5mm以下的弱磁性矿物的矿选及非金属矿物的除铁，如：云母粉、石英砂、钾长石、霞石、萤石、硅线石、锂辉石、高岭土、锰矿、弱磁铁矿、磁黄铁矿、焙烧矿、钛铁矿、赤铁矿、褐铁矿、菱铁矿、钛铁矿、铬铁矿、黑钨矿、钽铌矿、赤泥等；也可用于煤、非金属矿、建材等物料的除铁作业。

TLGP plate type high gradient magnetic separator is mainly applicable in separating weak magnetic ore which size is lower than 5mm and removing iron of non-magnetic ore, such as mica power, quartz, feldspar, nepline, fluorite, silimanite, spodumene, kaoline, manganese, weak magnetite, pyrrhotite, calcined ore, ilmenite, hematite, limonite, siderite, chromite,wolframite, columbite-tantalite, red mud, etc. Also can be used for removing iron for coal, non-magnetic ore and building material.

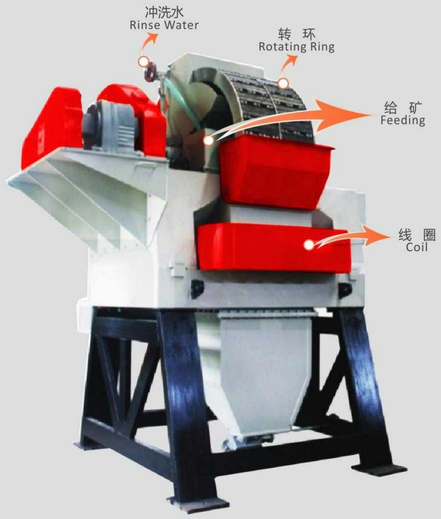
产品优势
Product Advantage

- 磁性材料全部采用高强稀土钕铁硼组成强力磁芯，钕铁硼纯度高，用量大，磁力强，最高磁场强度可达16000gs；
- 设备结构简单合理，安装方便，处理量大；
- 该设备耗水，耗电相比较电磁除铁机来讲，耗能非常的少，运行成本省；
- 相比较电磁除铁机，没有太多的易损件，维护成本省。

- Magnetic materials are all made of high strength of rare earth NdFeB strong magnetic core. Ndfeb high purity, large dosage, strong magnetic force, the highest magnetic field strength can up to 16000 Gs.
- Equipment simple and reasonable structure,easy installation, large quantity.
- Compared with electromagnetic separator, water and power consumption are veryless power consumption,low operation cost.
- Compared with electromagnetic separator, less wearing parts, low maintenance cost.

TLGT 立环脉动高梯度磁选机

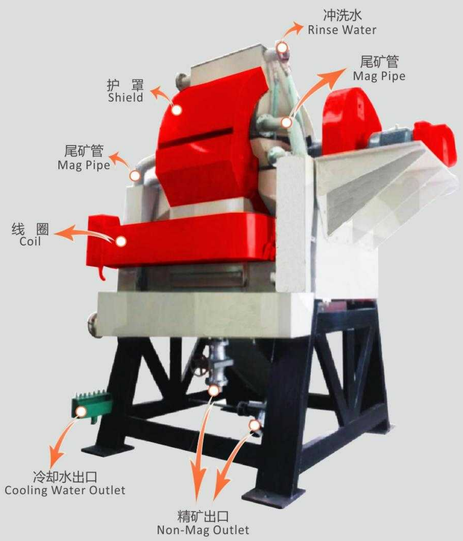
TLGT VERTICAL RING AND PULSATING HIGH GRADIENT MAGNETIC SEPARATOR



产品简介
Product Introduction

立环脉动高梯度磁选机是目前国内外性能最好、技术最先进的强磁选设备，该机采用转环立式旋转、反冲精矿，并配有脉动机构，从根本上解决了平环强磁选机和平环高梯度磁选机磁介质容易堵塞这一世界性技术难题，它具有富集比大、对给矿粒度、浓度和品位波动适应性强、工作可靠、操作维护方便等优点，该机分选弱磁性矿石实现了精矿品位高和回收率高的双高优点。

Application Field of VPHGMS:For processing fine, feebly magnetic minerals, such as hematite, limonite, siderite, ilmenite, chromite, wolframite, tantalumniobium, and etc. For purifying (iron and titaniun removal) nonmetallic minerals such as quartz,feldspar, nephline, fluorite, ceramic, material, and etc.



产品优势
Product Advantage

赤铁矿、褐铁矿、菱铁矿、钛铁矿、铬铁矿、黑钨矿、钽铌矿等弱磁性矿物的选矿；石英、长石、霞石、萤石、硅线石、锂辉石、高岭土等非金属矿物的除铁、提纯。

Vertical ring and pulsating high gradient magnetic separator utilizes the combined force field of magnetism, pulsating fluid and gravity to continuously beneficiate fine weakly magnetic minerals. It is equipped with unique pulsating mechanism and possesses the advantages of large beneficiation ratio,high recovery, and a matrix that does not easily clog

TLYL 干式大块磁选机

TLYL LUMP-ORE DRY MAGNETIC SEPARATOR

产品优势 PRODUCT ADVANTAGE

- 采用高性能钕铁硼材料，确保磁系八年退磁不大5%；
- 磁系整体采用不锈钢板包裹，确保磁块永不脱落；
- 安装尺寸符合DT75,DTII皮带机标准尺寸，也可根据客户具体的要求定制；
- 用于矿石粗碎和中碎后将矿石的无磁性杂石抛出或用于采场从废料中回收铁矿石，提高矿石资源利用率。

- After primary or intermediate crushing of the low grade iron ore,the waste materials such as rocks and sands are partially discharged to reduce to load of the follow-up processes(such as grinding, etc), greatly improving the productivity and reducing energy consumption.
- Separation of the iron ore before smelting can improve the grade of the incoming ore as wellas the rate for the recollection of the steel scraps created in this process.
- Punfication of ow grade iron ore. The raw ore not yet fully reduced after the calcination operation in the close-loop hematite circuit is chosen to be returned to the caldnation process.
- Iron removal and purification of matenals of ndustries such as foundry, ceramics and coal, etc.



TLDF 全自动粉料电磁选机

TLDF AUTOMATIC POWDER ELECTROMAGNET SEPARATOR

产品优势 PRODUCT ADVANTAGE

- 能耗低、磁场梯度高、磁场分布均匀、除铁效果佳；
- 全自动脱铁、清洗简单；
- 脱铁清洗系统各阶段时间可自由调节，适用场合广泛。

- Low energy consumption, high magnetic feld gradient, even magnetic field distribution,good ron removing effect.
- Completely automated iron separation, easy to clean.
- Time for the stages of separation and cleaning can be adusted freely, suitable for a wide range of situations.



产品简介
Product Introduction

本产品广泛适用于去除陶瓷、矿业、化工业、电子行等行业粉料中的铁磁性物质。

This product is widely used n removing the iron powder, micro iron powder and magnetic substance, etc. from the dry-powder materials in industries such as ceramics, mining, chemicals, eectronics , and food, etc.

TLG 辊式干式磁选机
TLG ROLL DRY MAGNETIC SEPARATOR

产品简介 PRODUCT INTRODUCTION

辊式干式磁选机系列磁选机，采用超强磁辊设计，多次分选，适用于分选磁性较弱的矿物，如褐铁矿、锰矿，分选以后可提高10到25个品位也适用于非金属矿物的除铁，如石英、长石、霞石、萤石、硅线石、锂辉石、高岭土等。

Double-roll dry magnetic separator series uses ultra strong magnetic rolls, two track separation design and is suitable for sortingweak magnetic ores, such as limonite and manganese ores, whose grade after separation can be improved by 10-25%.



磁 滚 筒 系 列
MAGNETIC ROLLER SERIES



磁滚筒
MAGNETIC DRUM



磁滚筒
MAGNETIC DRUM



强磁辊
STRONG MAGNETIC ROLLER



强磁辊
STRONG MAGNETIC ROLLER





RCT 系列永磁滚筒
RCT SERIES PERM-MAGNETIC ROLLER

磁 棒 设 备 系 列
MAGNET BAR EQUITMENT SERIES

产品简介 PRODUCT INTRODUCTION

主要针对于非金属矿物中粉料或者浆料中机械铁的去除，磁场从8000-12000GS不等。

Mainly use for remove the machinery of iron in non-metallic mineral powder or slurry, magnetic fields ranging from 8000-12000 gs.





RCYQ 轻型自卸式永磁除铁器

RCYQ LIGHT-WEIGHT PERM-MAGNETIC SEPARATOR

产品优势 PRODUCT ADVANTAGE

- 重量轻，平均不到RCYD型重量的75%；
- 结构紧凑，构件少，便于吊装，便于维修管理，经济实用；
- 噪音低，并能连续吸、弃铁；
- 总体尺寸小，可称为轻型永磁带式除铁器，长度、高度分别是RCYD型的：70%、65%。

●Low noise, and can continue to suck, abandoned iron. ●Light weight, less than 75% of the weight of RCYD.

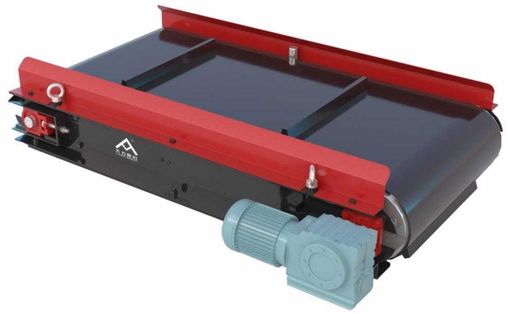
●The overall size is small, can be called light-weight type, its length and height were only 70%,65% of the RCYD model magnetic separator.

●Compact structure, less components, easy to lift, easy maintenance management, economical and practical.

适用范围
Scope Of Application

适用于所有皮带输送机、振动给料机以及溜槽上方铁质较多的场合除铁，一般配置在再生资源行业或者移动破碎分选站上。

Applicable to all belt conveyor, vibration feeder and chute, and available to the occasion of more iron contamination. Normally you can see them being used in the recycling industry or the mobile crusher equipment.



RCYQII 轻型自卸式永磁除铁器

RCYQII LIGHT-WEIGHT PERM-MAGNETIC SEPARATOR

产品优势 PRODUCT ADVANTAGE

- 设备更加的轻巧、安装简单；
- 磁性可强弱搭配，分选效果好；
- 采用PVC卸铁皮带，运行更加平稳、轻便、噪音低；
- 可适用再生资源中较宽的皮带输送机，为客户节约采购成本。

●Use PVC discharge iron straps,run more smoothly,lightweight, low noise.

●Mixer applicable wide belt conveyor in the renewable resources, saving purchasing cost for the customer.

●Mixer can match strength, magnetic separation effect is good.

●Pieces of equipment more light and simple installation.



RCYD 自卸式永磁除铁器

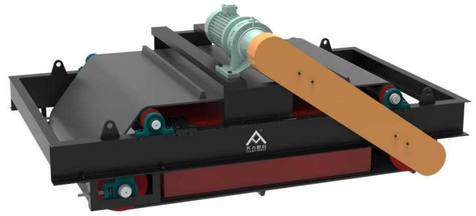
RCYD SELF-CLEANING PERM-MAGNETIC SEPARATOR

产品优势 PRODUCT ADVANTAGE

- 磁路采用计算机模拟设计，完善的双磁极结构，磁场强度高，梯度大，吸力大；
- 高性能钕铁硼做磁源，磁能积高，不易退磁，八年退磁不超过5%；
- 腰鼓形滚筒结构，具备自动纠偏功能，全密封轴承座，密封性好，能适应各种恶劣环境；
- 皮带自动卸铁，可保障长期无故障连续运行。

●Adopting the computer simulation to design the Magnetic circuit,with perfect double magnetic pole structure, higher magnetic intensity, higher gradient, higher magnetic force.

●High-performance NdFeB magnetic material as the magnetic source, High magnetic energy, not easy to demagnetize, and demagnetization does not exceed 5% in 8 years.



●Waist drum-shaped drum structure, with automatic correction function,fully sealed bearing,good sealing,can adapt to a variety of harsh environments.

●Automatic unloading belt, can guarantee long-term trouble-free continuous operation.

RCYK 铠装自卸式永磁除铁器

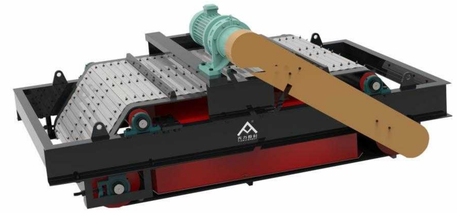
RCYK ARMORED TYPE PERM-MAGNETIC SEPARATOR

产品优势 PRODUCT ADVANTAGE

- 独特设计铠装式皮带，能有效防止尖锐铁磁性杂物对皮带的损害，运行经济；
- 额定高度处磁场强度高、梯度大、吸力强劲；
- 无需电励磁，省电节能，自动卸铁，运行方便；
- 稀土钕铁硼永磁材料作为磁源，磁性能稳定可靠；
- 具有皮带自动纠编功能，特制密封轴承座，适应恶劣环境条件下工作；
- 结构紧凑合理，维修保养方便，可长期无故障安全运行。

●Unique designed armored belt, can effectively prevent the damage to the belt from sharp ferromagnetic debrisr,unning more economically.

●Highly rated in the magnetic field intensity is high, the gradient is large, strong suction.



●Without electric excitation so can save electrical power, automatic unloading iron made it easy to operate.

●Rare earth NdFeB permanent magnet material as a magnetic source, providing stable and reliable magnetic intensity.

●With belt automatic correction function,specially sealed bearing, to adapt to harsh environmental conditions.

●Compact and reasonable structure, easy maintenance,long-term safe operation.

RCYB 永磁除铁器

RCYB PERM-MAGNETIC SEPARATOR

产品优势 PRODUCT ADVANTAGE

- 采用高矫顽力、高剩磁的永磁体钕铁硼等组成复合磁系，磁场强、吸力大；
- 安装简单、使用方便，运行可靠，免维护；
- 各项技术指标均符合JB/T8711-2006。

- Adopting high coercive force, high remanence of NdFeB permanent magnet to composite magnetic system, strong magnetic field and suction.
- Installation is simple,easy to use,reliable operation,maintenance free.
- Various technical indexes meet JB/T8711-2006.



适用范围 Scope Of Application

适用于所有皮带输送机、振动给料机以及溜槽上方，铁质含量较少的场合。

Apply to all belt conveyor, vibrating feeder and chute above, the occasion of the iron content is less.

RCYE 系列管道式精细除铁器

RCYE SERIES PIPE-TYPE FINE IRON REMOVER

产品优势 PRODUCT ADVANTAGE

- 本设备结构设计合理、紧凑、安装方便，串接于物料输送管道中即可使用；
- 适用于封闭物料输送系统，工作中无粉尘逸出，无环境污染；
- 管道壁采用特殊耐磨材料，使用寿命成倍增长；
- 可广泛应用于水泥、电力、陶瓷、砖瓦、化工、食品、玻璃、冶金、钢铁等
- 行业，是物料提纯和保证后续设备安全运行的首选除铁设备；

物料温度：≤125℃ 管道倾角：45-75度 管道负压：≥-50Pa。

- This device has compact and reasonable structure for easy nstallation. It only needs to be serialy connected to the material feeding pipe to be able to function.
- It s appicable in sealed materal transporting system under dust-free working condiion with no environmental pollution.
- The pipe wallis made of special wear resistant materials and has multiplied service life.
- It is wdely used in cement, power supply, ceramics, ties, chemicals, food, glass, metalurgy and steel,etc.and is the frst-choice device for material punfcation and guarantee-ing the safety of devices in follow-up processes.



- Material temperature:≤125°C.
  Angle of sloped pipe: 45-75°.
  Pipe pressure:≥-50Pa.

RCDA 系列风冷式悬挂电磁除铁器

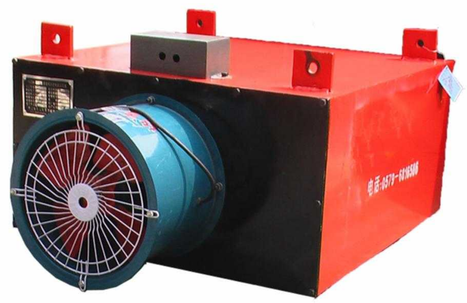
RCDA SERIES POWER AIR COOLED ELECTROMAGNETIC IRON SEPARATOR

产品简介 PRODUCT INTRODUCTION

RCDA系列超强风冷电磁除铁器，其内部磁路设计独特、透磁深、吸力大，吸力远大于国标除铁器，轴流式风机强迫风冷，风量大，使除铁器散热快，温升低，保障除铁器无故障长期工作；广泛应用于电厂、港口、码头等对除铁要求特别高的场所。

RCDA series super air-cooled electromagnetic separator its internal magnetic circuit design is unique, deep magnetic permeability, high suction force,suction force is much greater than the national standard separator, axial fan forced air cooling, large air volume,so that the separator heat dissipation fast, low temperature rise, to ensure that the separator trouble-free long-term work.

Its widely used in power plants, ports, terminals and other places with particularly high requirements for iron removal.



RCDB 干式电磁除铁器

RCDB DRY TYPE ELECTROMAGNETIC SEPARATOR

产品简介 PRODUCT INTRODUCTION

干式电磁除铁器是以电磁线圈为磁源、结构简单、通电即产生磁性，卸铁时断电即可，客户可搭配行走小车使用。

Dry type electromagnetic separator with the simple structure and its magnetic source is from the electromagnetic coil. when the electrical power been put through, the magnetic property will be generated, and when the power cut off, it will be disappear. If work with the trolley the effect would be better.



RCDC(D,F) 电磁自卸式除铁器

RCDC(D,F) ELECTROMANGNETIC SEPARATOR

产品简介 PRODUCT INTRODUCTION

RCDC适用于钢铁厂、水泥厂、电厂等场合；多用于矿渣除铁和保护辊压机、立磨、破碎机等重要设备；适用于环境条件较好的场合。

RCDD是在RCDB干式电磁除铁器的基础之上增加了机架、卸铁皮带、驱动电机、驱动滚筒等；在卸铁时无需断电，可连续排铁，电磁自冷自卸式除铁器可搭配金属探测仪一起使用，使整个工作过程更加节能省电。

RCDC applicable to steel plant, cement plant, power plant and other occasions. It is mainly used in slag removal and protection roller press, vertical mill, crusher and other important equipment.It is suitable for better environmental conditions.

RCDD developed on the basis of RCDB electromagnetic separator, and installed framework, discharging belt,drive motor, drive roller and so on. The iron-unloading need not to be powered off, and can continuous working. It can be used with metal detectors together, so that the whole process more energy efficient.

产品规格
Product Parameters

设备型号 Type	适应皮带宽度 Suitable Belt Width(mm)	物料厚度 Material Thickness≤(mm)	额定悬挂高度 Rated Lifting Height≤(mm)	输料皮带表面磁感应强度 Magnetic Intensity(MT)	电磁励磁功率 Excitation Power(kw)	设备驱动功率 Driving Power(kw)	适应皮带速度 Suitable Belt Speed	电磁冷却 Cooling Way	外形尺寸 Overall Dimensions 长×宽×高 L×W×H(mm)	外形尺寸 Overall Dimensions 吊环中心距 Suspension Center	总重量 Weight(kg)
RCDD-5	500	80	150	60	2.0	1.5	≤4.5m/s	自然冷却 Natural Cooling	1700*935*960	1150*735	750
RCDD-6	600	125	200		3.0	1.5			1800*1035*960	1250*835	1200
RCDD-6.5	650	150	200	70	4.0	2.2			1850*1085*960	1300*885	1200
RCDD-8	800	200	250		4.5	2.2			2000*1235*960	1450*1035	1400
RCDD-10	1000	250	300		6.0	3.0			2240*1455*1010	1690*1235	2120
RCDD-12	1200	300	350		9.5	4.0			2440*1655*1060	1890*1435	3350
RCDD-14	1400	350	400		12	5.5			2640*1855*1060	2090*1635	4450
RCDD-16	1600	400	450		14.5	7.5			3140*2055*860	2290*1835	5550
RCDD-18	1800	450	450		17	7.5			3340*2255*875	2490*2038	6650

注：可选加强型T1、T2、T3产品，磁场强度分别为90MT、120MT、150MT。加强型产品励磁功率和重量有所增加。

Note: optional enhanced T1, T2 and T3 products, magnetic field intensity respectively for 90MT, 120MT, 150MT.And the enhanced product excitationpower and weight increase.

适用范围 SENOPE OF APPLICATION

RCDC电磁风冷自卸式除铁器用于破碎机前及输送机胶带上的任何物料除铁，可适用于各种恶劣的环境条件。彻底解决普通除铁器存在的散热、吸力和适应环境三大难题。

RCDD电磁自冷自卸式除铁器适用于所有皮带输送机、振动给料机以及溜槽上方，铁质较多或者自动化程度较高的场合。

RCDF用于破碎机前及输送机胶带上的任何物料除铁，可适用于各种恶劣的环境条件。彻底解决普通除铁器存在的散热、吸力和适应环境三大难题。

RCDC Air-Cleaning Electro-Magnetic Separator Any material on the belt of the crusher and conveyor can be used to remove iron, and can be used in a variety of severe environmental conditions. The three major problems of heat dissipation, suction and environment adaptation of common iron remover are solved thoroughly.

RCDD Applicable to all belt conveyor, vibration feeder and chute, and available to the occasion of more iron contamination or high degree of automation.

RCDF Any material on the belt of the crusher and conveyor can be used to remove iron, and can be used in a variety of severe environmental conditions. The three major problems of heat dissipation, suction and environment adaptation of common iron remover are solved thoroughly.



RCDC 电磁风冷自卸式电磁除铁器
RCDC Air-Cleaning Electromagnetic Separator



RCDD 电磁自冷自卸式除铁器
RCDD Self-Cleaning Electromagnetic Separator



RCDF 油冷自卸式电磁除铁器
RCDF Oil-Cooling Self-Discharging Electromagnetic Iron Remover

GJT-2F 系列金属探测仪

GJT-2F SERIES METAL DETECTOR

产品简介 PRODUCT INTRODUCTION

GJT-2F系列金属探测仪采用可拼装的差动变压器式传感器，在电路设计中采用了最新金属检测技术-数字移相及相关检测技术，具有性能稳定可靠，检测灵敏度高，较强的物料抑制特性，优良的抗干扰能力。该产品主要用于火力发电、水泥、建材、造纸、矿山、食品、化工等行业中，对原料中混杂的各种金属物质进行检测，它是利用金属进入传感器电磁场时所产生的感应信号，经过信号放大处理电路来驱动执行机构动作，从而达到检测出有害金属。

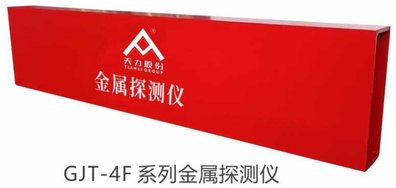
GJT-2F series metal detector adopts differential transformer type sensor that can be assembled, and the latest metal detection technology-digital phase shift and related detection technology is used in the circuit design, which has stable and reliable performance, high detection sensitivity, strong material suppression characteristics, and excellent anti-interference ability. The product is mainly used in thermal power generation, cement, building materials, paper, mining, food, chemical and other industries, the detection of various metal substances mixed in raw materials, it is the use of metal into the sensor electromagnetic field generated by the induction signal, after the signal amplification processing circuit to drive the actuator action, so as to achieve the detection of harmful metals.



GJT-2F 系列金属探测仪



GJT-3F 系列金属探测仪



GJT-4F 系列金属探测仪

产品规格 Product Parameters

设备型号 Type	适应带宽 Suitable Belt Width(mm)	功率 Power(≤w)	适应带速 Suitabe Belt Speed(≤ms)	输入电压 Input Voltage (~v)	灵敏度 Sensitivity (≥m)	重量 Weight(kg)	外形尺寸 Size(mm) L×W×H A	B	C	D	E	L	L1
GJT-5F	500	40	0.8~2.5	220±10% 50HZ	φ20 铁铝球	105	820	690	250	410	250	740	300
GJT-6F	650	40				125	1000	840				890	
GJT-8F	800	50				160	1200	1010				1090	
GJT-10F	1000	50				190	1400	1240				1320	
GJT-12F	1200	50				255	1630	1470		430	300	1550	370
GJT-14F	1400	60				290	1830	1680				1740	
GJT-16F	1600	60				350	2050	1890				1950	
GJT-18F	1800	65				430	2280	2120				2180	
GJT-20F	2000	70				480	2500	2340				2400	

TLSL 水冷电磁浆料除铁机

TLSL SLURRY TYPE AUTOMATIC WATER COOLING ELECTROMAGNETIC SEPARATOR

产品优势 PRODUCT ADVANTAGE

- 磁场强度高；
- 内部温升小，长期运行磁感应强度不易衰减；
- 处理量大，选矿效率高；
- 对超精细矿物除铁效果好。

- Magnetic field intensity is high.
- Internal heating up slowly,magnetic intensity will not weaken even if the long-term operation.
- Large processing capacity.
- For ultra-fine mineral iron removal effect is very good.



产品规格 Product Parameters

设备型号 Type	TLSL-1000	TLSL-750	TLSL-600	TLSL-G500	TLSL-G500SL	X500
磁场强度 Magnetic Intensity(Gs)	5	5	5	5	3	5
输入电压 Input Voltage(V)	380	380	380	380	380	380
最大输出电流 Max.Current Output(A)	2500	1400	2100	1400	1400	1400
线圈最大功率 Max.Coil Power(KW)	180	75	75	75	30	45
绝缘等级 Insulation Rank	E	E	E	E	E	E
冷却方式 Cooling Way	水冷	水冷	水冷	水冷	水冷	水冷
磁腔直径 Magnetic Cavity Diameter(mm)	1000	750	600	530	530	530
管道大小 Pipe Size(mm)	200	150	100	100	100	100
产 量 Processing Capacity(m^3/h)	80-200	40-100	30-80	30-70	20-50	20-50
外形尺寸 Size(mm)	2710*2410*3500	2800*2000*3000	2370*2000*2650	2200*1700*3000	1400*1700*2345	2000*1600*2800
主机重量 Weight(KG)	35000	16350	14730	14100	6500	9580


WT1213DS


WT1213DS


SANY

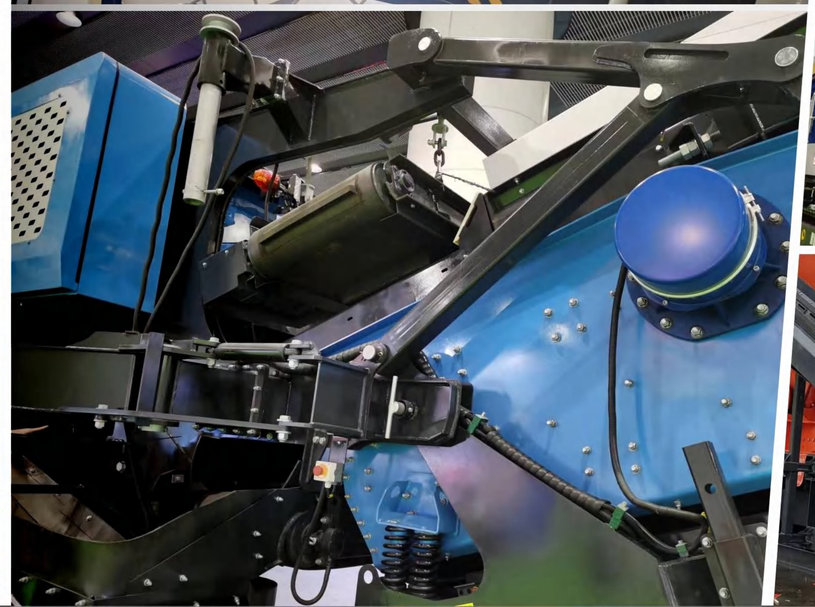

KRE

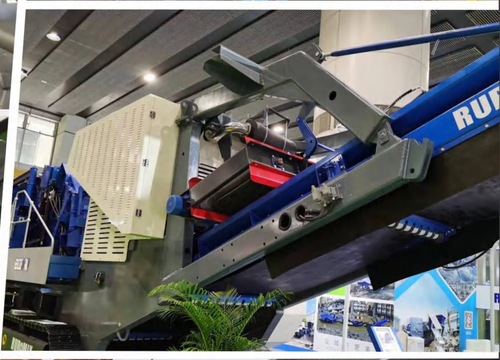

MESDA
150
MC-150IS-B






SCGF260B
SCG








上吸式磁滚筒应用于废钢破碎线现场

天力产品应用项目现场
TIANLI PRODUCT APPLICATION PROJECT SITE

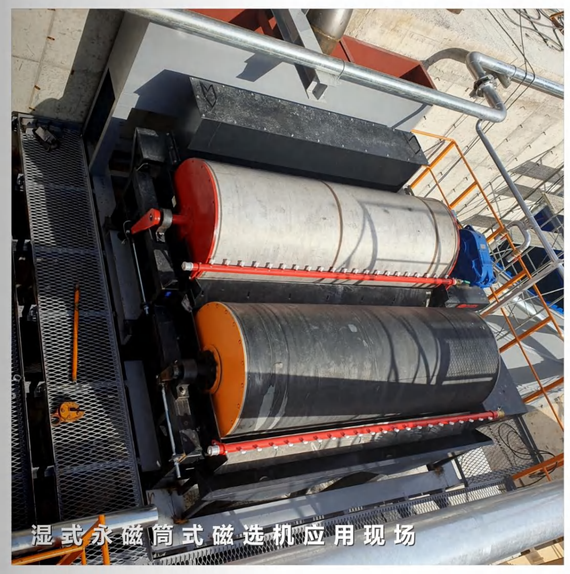

除铁器应用于废钢破碎线现场


管道式除铁器应用现场


除铁器应用于轮胎破碎线现场


湿式永磁筒式磁选机应用现场

天力产品应用项目现场
TIANLI PRODUCT APPLICATION PROJECT SITE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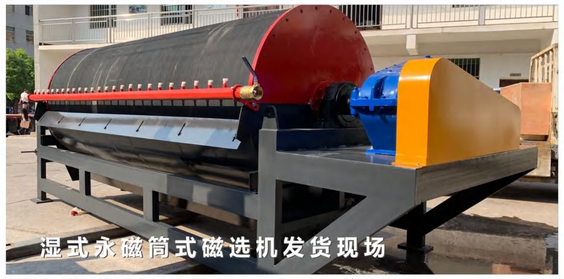
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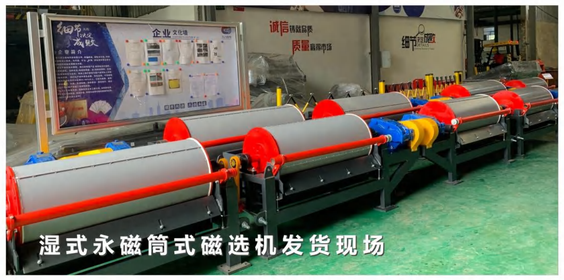
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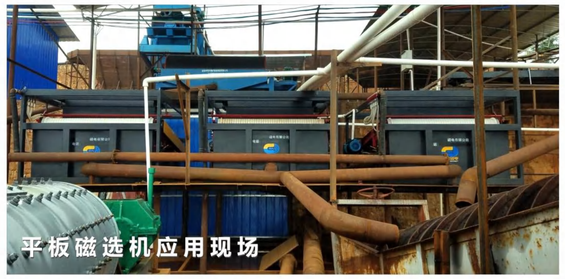
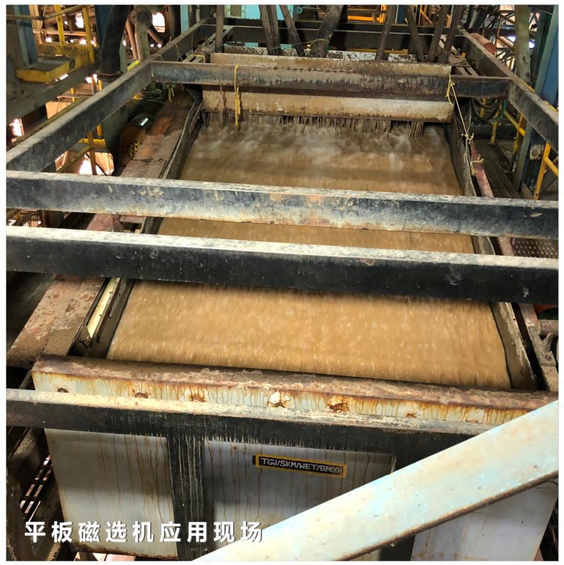
平板磁选机应用现场

天力产品应用项目现场
TIANLI PRODUCT APPLICATION PROJECT SITE


平板磁选机应用现场


立环脉动高梯度磁选机应用现场


平板磁选机应用现场


全自动粉料电磁选机

天力产品应用项目现场
TIANLI PRODUCT APPLICATION PROJECT SITE


全自动粉料电磁选机应用现场


全自动粉料电磁选机





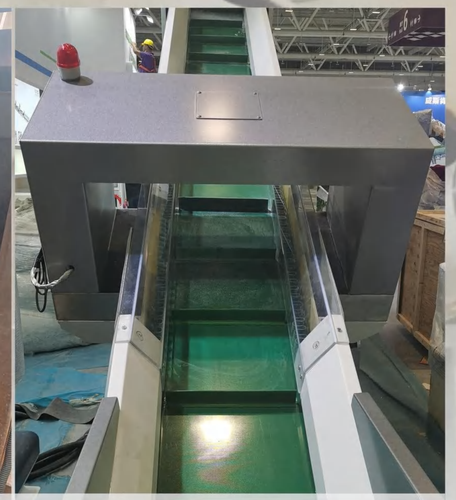








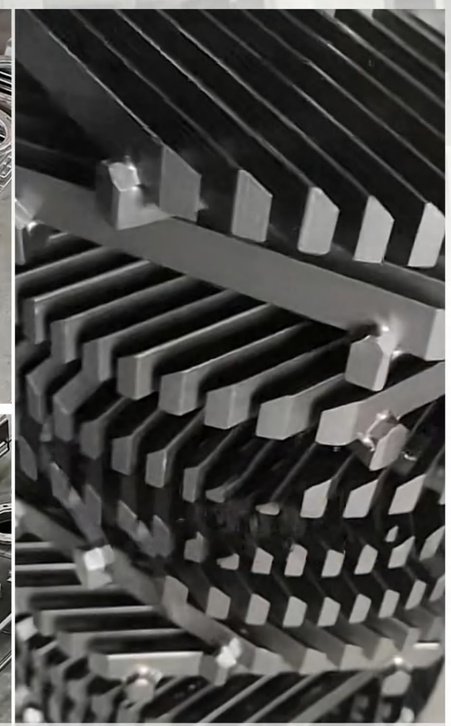
上 吸 式 磁 滚 筒 系 列

金 属 探 测 仪 系 列




强 磁 棒 除 铁 系 列









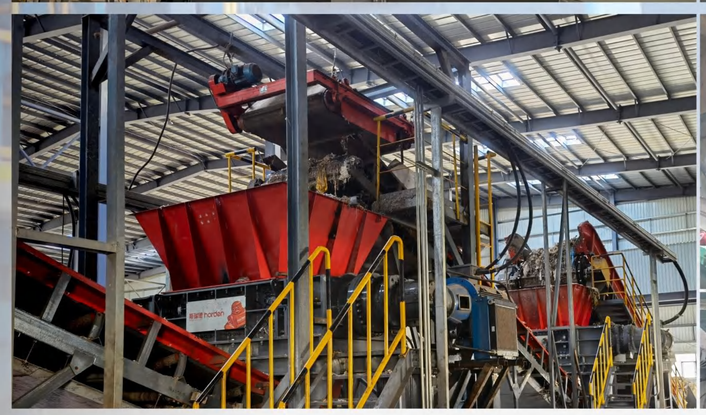






公司除铁器系列







除铁器应用现场



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