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最具吸引力的磁电、固废分选装备供应商



固废分选设备

SOLID WASTE SORTING EQUIPMENT

浙江天力磁电科技有限公司

ZHEJIANG TIANLI MAGNET TECHNOLOGY CO., LTD.

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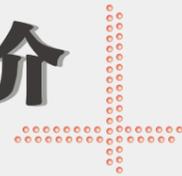
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公司简介



浙江天力磁电科技有限公司是景森控股的全资子公司，国家高新技术企业，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。



公司发展

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。



战略合作

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。

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。

绿色环保 科技创新 整合 共赢

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COMPANY PROFILE

Zhejiang Tianli Magnet Technology Co., Ltd, focus on the magnetic&sorting, eddy current separation, sensor separation technology application, provides material recycling and processing solutions for industry such as recycling, mining, electricity and construction, etc.

Tianli company 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 company 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!





整线系统方案

废钢尾料预分选线	01
有色金属分选线	02
不锈钢分选线	03
炉渣预分选线	04
炉渣湿法分选线	05
炉渣干法分选线	06

天力明星产品

TLFXP 偏心涡电流分选机	07
TLFX 同心涡电流分选机	11
TLCG 传感式金属分选机	13
TLGTS 滚筒筛	15
TLZ 空气分选设备	17
TLXZ 新型空气分选设备	18

磁选设备系列

TLSXG 上吸式磁滚筒	19
TLRCT 上部进料磁滚筒	20
CTS(B,N) 湿式永磁筒式磁选机	21
CXGA 干式磁选机	23

除铁设备系列

RCYQ 轻型自卸式永磁除铁器	25
RCYQII 轻型自卸式永磁除铁器	26
RCYD 自卸式永磁除铁器	27
RCYK 铠装自卸式永磁除铁器	28

Whole Line System Scheme

Auto Shredder Residual Pre-Sorting Solution	01
Metal Sorting System Solution	02
Stainless Steel Sorting System Solution	03
Slag Pre-Sorting Solution	04
Wet Type Scheme Of Slag Separation System	05
Dry Type Scheme Of Slag Separation System	06

Tianli Hot Product

TLFXP Eccentric Eddy Current Separator	07
TLFX Concentric Eddy Current Separator	11
TLCG Metal Sorter	13
TLGTS Drum Screen	15
TLZ Air Separator	17
TLXZ Air Classifier	18

Magnetic Separator Series

TLSXG Magnetic Drum	19
TLRCT Upper Feed Magnetic Drum	20
CTS(B,N) Wet Drum Magnetic Separator	21
CXGA Dry Type Magnetic Separator	23

Magnet Series

RCYQ Light-Weight Perm-Magnetic Separator	25
RCYQII Light-Weight Perm-Magnetic Separator	26
RCYD Self-Cleaning Perm-Magnetic Separator	27
RCYK Armored Type Perm-Magnetic Separator	28

目录 CONTENTS

RCYB 永磁除铁器	29	RCYB Perm-Magnetic Separator	29
RCDB 干式电磁除铁器	30	RCDB Dry Type Electromagnetic Separator	30
RCDC(D/F) 电磁自卸式除铁器	31	RCDC(D/F) Electromagnetic Separator	31

筛分设备系列

TLBL 板链式风选机	33
TLCZ 弛张筛	34
TLDT 单轴螺旋筛	35
TLYJ 跃进筛	36
TLZD 振动脱水筛	36
TLDD 弹道分选设备	37
TLQL 气力摇床	37

Screen Series

TLBL Board Chain Type Air Separator	33
TLCZ Vibratory Screen	34
TLDT Single Shaft Spiral Screen	35
TLYJ Leap Screen	36
TLZD Vibrating Dewatering Screen	36
TLDD Smart Ballistic Separator	37
TLQL Pressure Density Separator	37

相关产品设备

TLWFX 卧式风选机	38
TLTTS 弹跳筛	38
TLXPS 星盘筛	38
配套产品设备	38
磁滚筒·磁力架系列	39
客户案例现场	41

Relative Products

TLWFX Air Separator	38
TLTTS Boucing Separator	38
TLXPS Disc Separator	38
Auxiliary Product	38
Magnet Series·Magnetic Grate Series	39
Scene Of The Case	41

关于产品售后

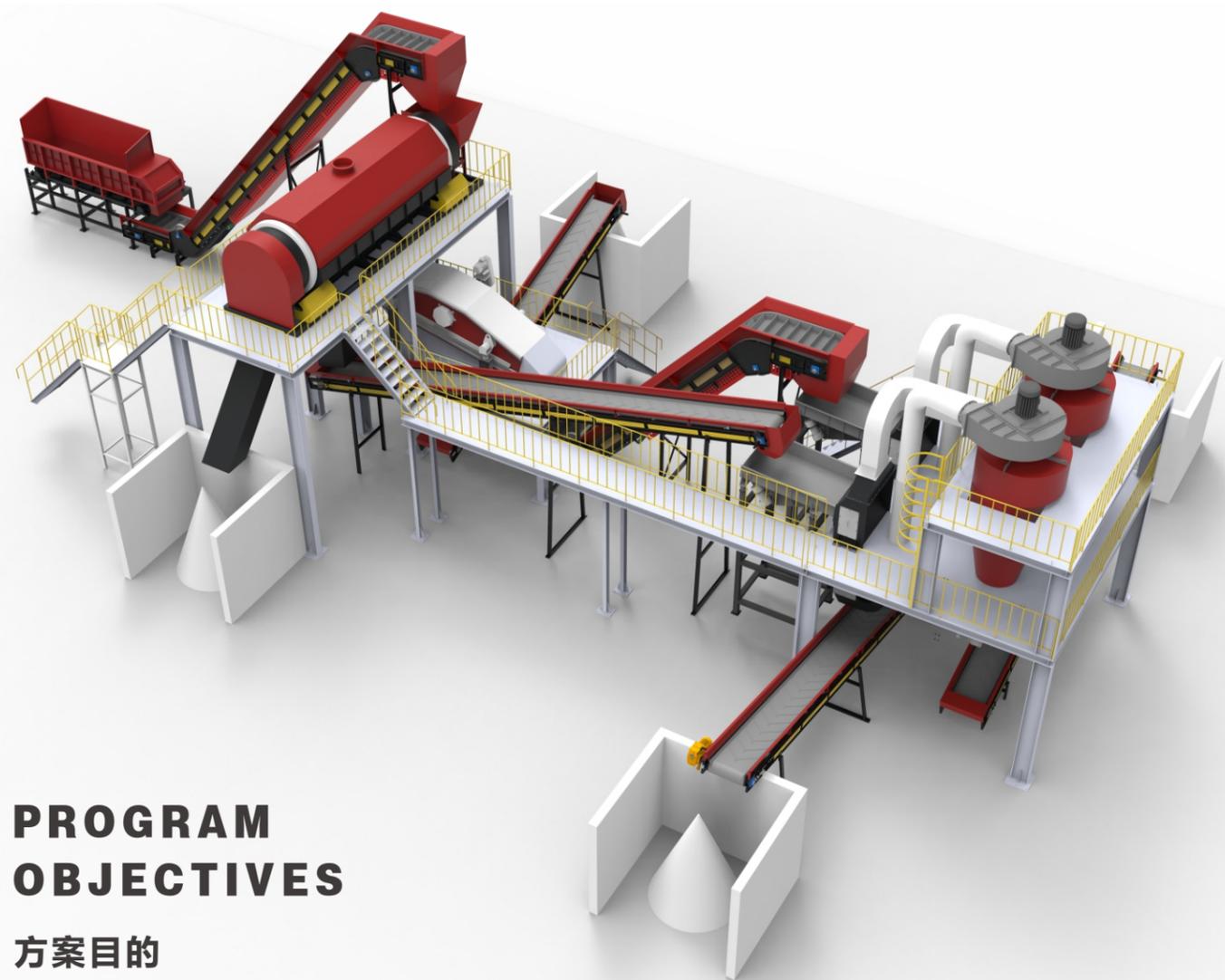
售后服务承诺	45
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About Aftersales Service

Service Commitment	45
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废钢尾料预分选系统方案

AUTO SHREDDER RESIDUAL PRE-SORTING SOLUTION



PROGRAM OBJECTIVES

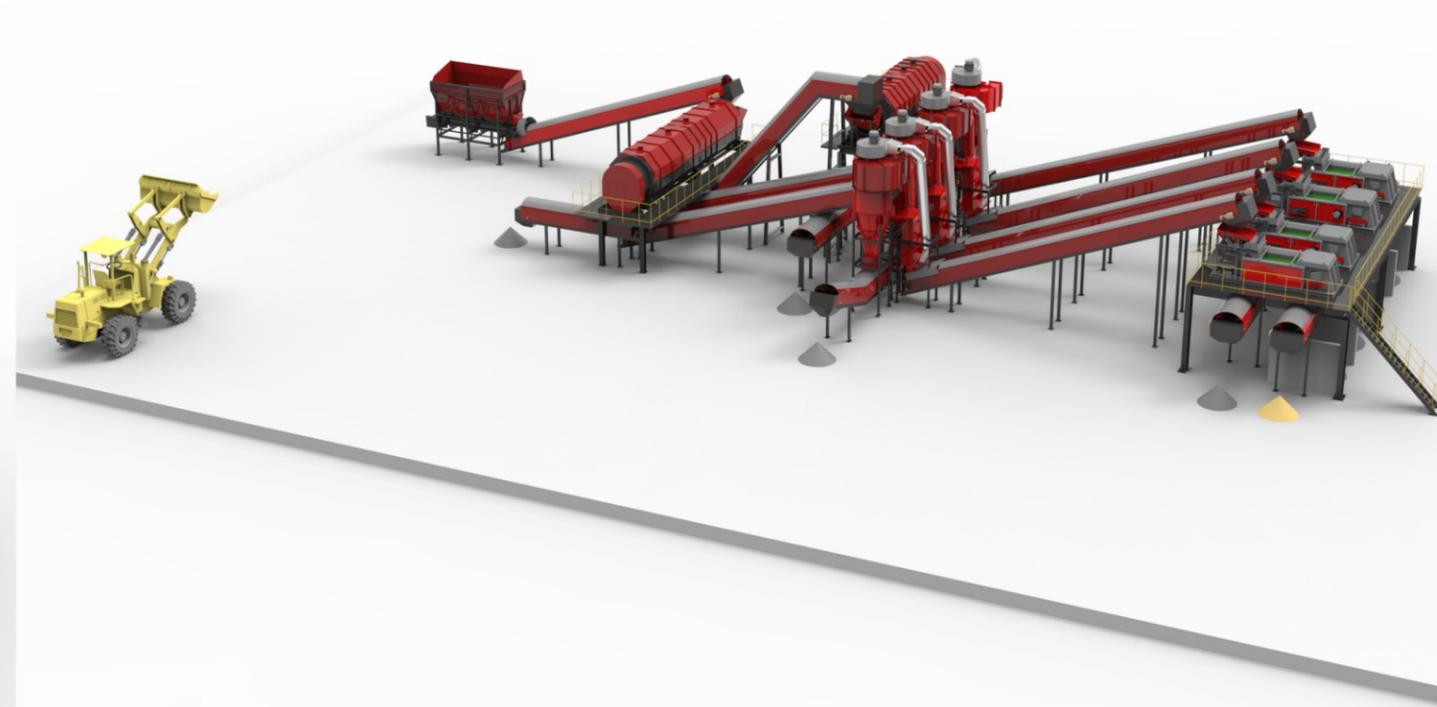
方案目的

针对目前物料比较潮湿，同时需要对小颗粒进行筛分，我们采用了滚筒筛和弛张筛的组合模式，先将大颗粒进行分离，然后，小颗粒进入到弛张筛，利用弛张筛的筛分效率高及有效的筛网防堵特性，将小颗粒进行有效的筛分，筛分完之后的物料再进入到空气分选系统，分离出轻物质，分离出来的物料再进入到金属分选系统，可有效的提高金属分选系统的分选效率，该预分选系统有离线分选和在线分选两种选择。

Based on the current material is damper,at the same time need to screening of small particles, we adopt the combination pattern of roller screen and relaxation sieve, large particle separation first, then the small particles into the relaxation sieve, using the relaxation sieve high screening efficiency, screen mesh and effective prevent features, will be small particles for effective screening, screening after the material again into the air separation system, separation of the light material, the separated material into metal separation system, which can effectively improve the separation efficiency of metal separation system, the preassigned have offline and online sorting separation system of two options.

有色金属分选系统方案

METAL SORTING SYSTEM SOLUTION



方案目的

PROGRAM OBJECTIVES

从废钢尾料当中分选出有价值的金属，包含铁、有色金属（铜、铝、锌、镁、金、银、铅等）。

Valuable metals are separated from scrap tailings,Contains iron and non-ferrous metals (copper, aluminum, zinc, magnesium, gold, silver, lead, etc.).



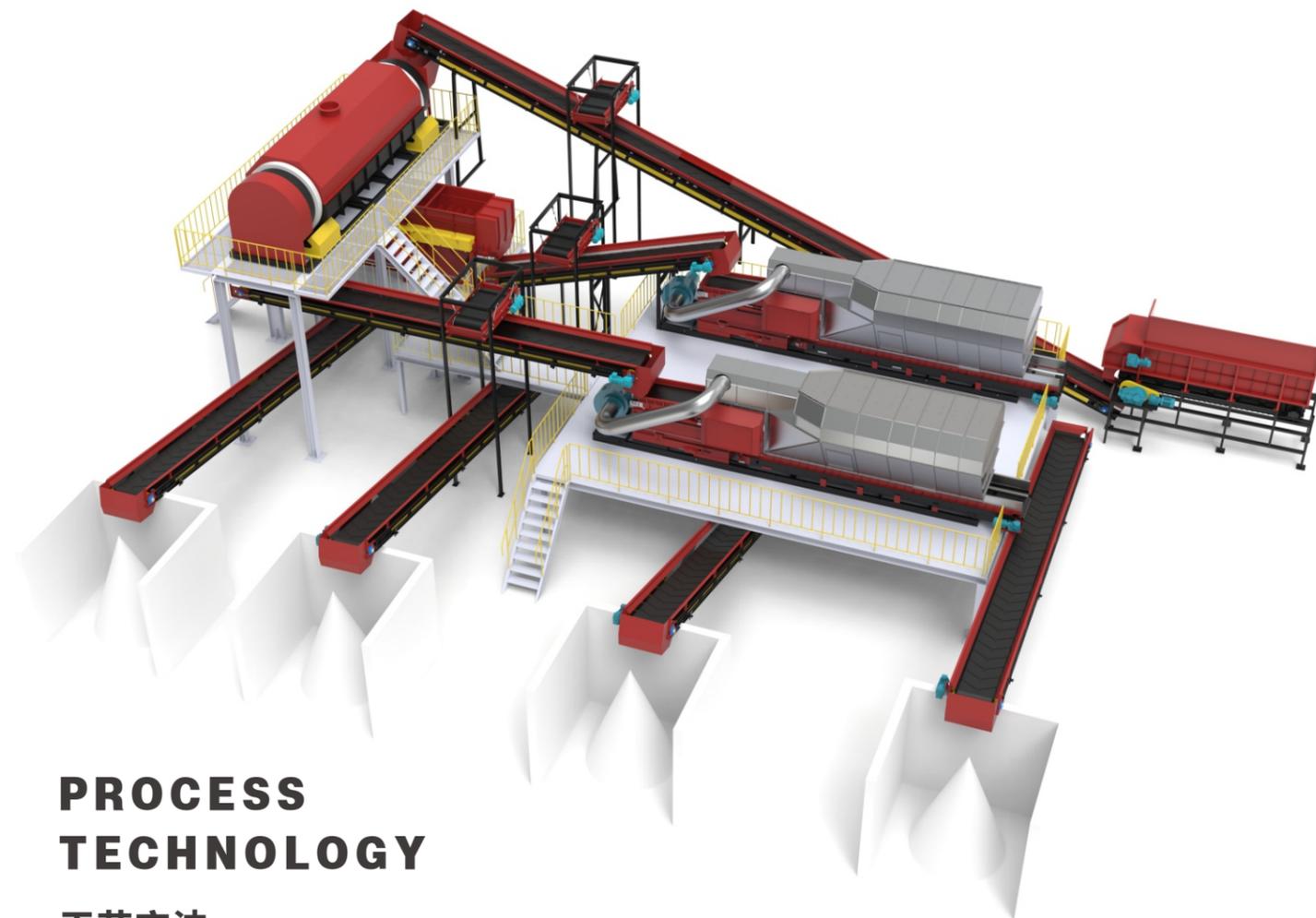
塔楼式

不锈钢分选系统方案

STAINLESS STEEL SORTING SYSTEM SOLUTION

炉渣预分选系统方案

SLAG PRE-SORTING SOLUTION



OVERVIEW OF THE BASIC PROCESS OF STAINLESS STEEL SEPARATION SCHEME

分选设备

进料仓 (均匀定量给料) 空气分选设备 (分选出轻飘物) 不锈钢分选机 (分选出不锈钢、导线等金属)

Feeding (uniform and quantitative feeding) Air separation (Sort out the light stuff) Metal Sorter (sorting out stainless steel, wire and other metals)

PROCESS TECHNOLOGY

工艺方法

本方案安装在现有的打砂机之前, 或者离线安装在现有的炉渣分选线的前端, 采用的是重型链板给料机给料, 保障了给料的均匀性和稳定性, 首先采用的是滚筒筛进行一级筛分, 分离出大、中两种颗粒的物料, 大的物料直接进入卧式空分, 中颗粒的物料首先经过星盘筛, 分离出小颗粒的物料, 中细颗粒的物料也进入到卧式空分, 通过两台空分分离出轻飘物。

This solution is installed before the existing sand beater, or off-line installed at the front end of the existing slag separation line, the heavy-duty chain plate feeder is used to ensure the uniformity and stability of the feeding.

First of all, the roller screen is used for a stage screening, separation of large and medium two kinds of particles, large material into horizontal air separation, the medium particles are first separated from the small particles by the astrolabe screen. Medium and fine particles of materials also enter the horizontal air separation, through two air separation to separate light objects.

炉渣湿法分选系统方案

WET TYPE SCHEME OF SLAG SEPARATION SYSTEM



PROCESS TECHNOLOGY

工艺方法

全程利用物理方法，无废气废水废渣等污染源外排；剔除废金属：依次剔除废铁(磁选)、废铜(重介质分选)、废铝(涡电流分选)。
The whole process uses the physical method, does not have the waste gas waste water waste residue and so on the pollution source external discharge.
Eliminating scrap metal: Sequencing remove scrap ferrous (magnetic separation), scrap copper (density separation), scrap aluminium (eddy current separation).

炉渣资源化再生利用工艺

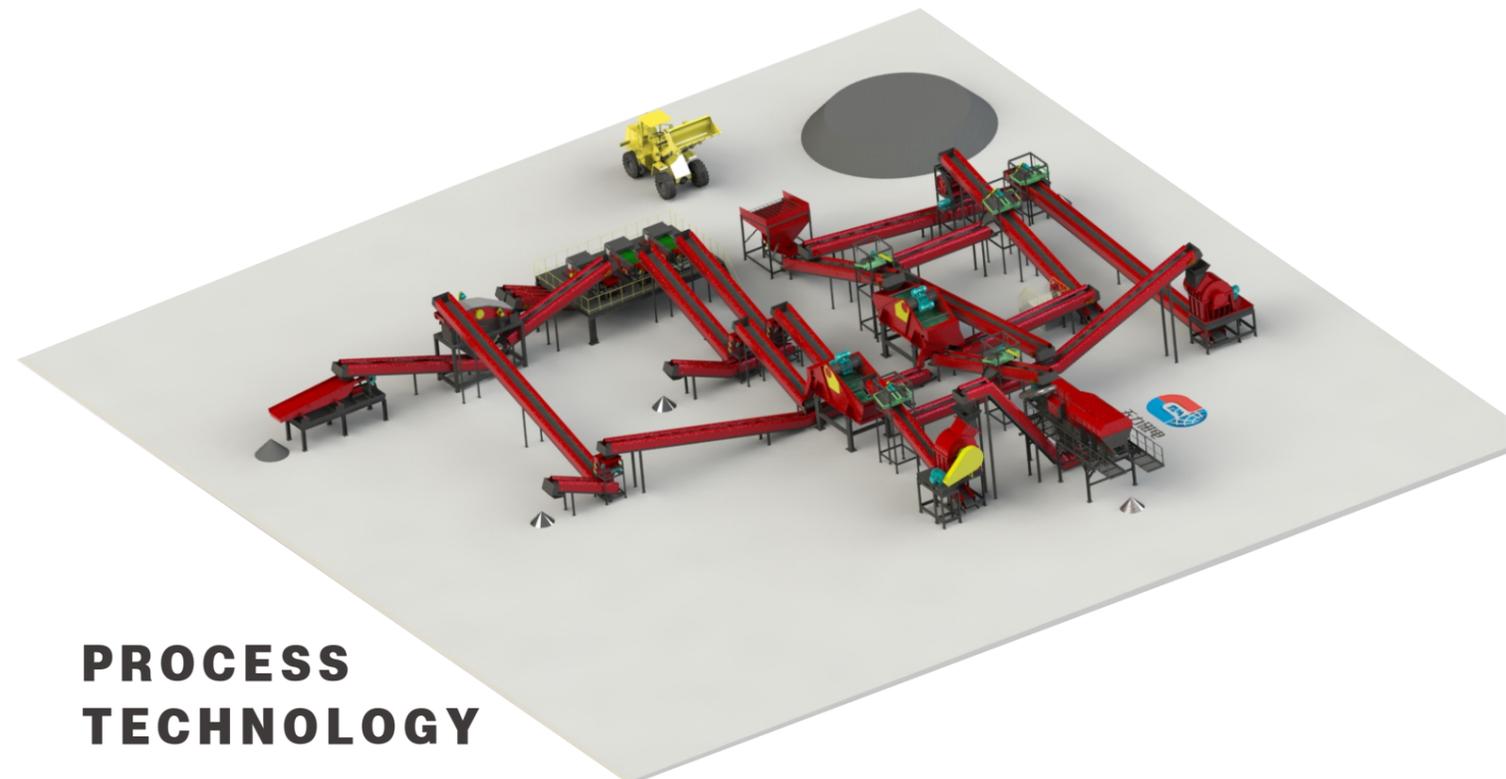
INCINERATOR SLAG RECYCLING PROCESS

将尾渣和一定比例的水泥、颜料混合，利用重力作用，制作成新型环保建材(混凝土砌块、透水砖、空心砖、彩色路面砖、多排孔砖，等等)。
Make use of gravity action, mix tailings with a certain proportion of cement and pigment, to make new environmental protection building materials.
(concrete block, permeable brick, hollow brick, color pavement brick, multi-row hole brick, etc.).



炉渣干法分选系统方案

DRY TYPE SCHEME OF SLAG SEPARATION SYSTEM



PROCESS TECHNOLOGY

工艺方法

改变传统的炉渣湿法工艺，采用干式的选法，有效解决传统湿法工艺中水处理的难题，干法的工艺中排布更加紧凑合理，占地空间更小，整套干法处置工艺将会更加环保。在处置过程中有效的防止金属的氧化，通过合理的工艺，最大价值的提高金属的回收率。

Opposite to the wet process, the dry process of the incinerator slag can avoid to solve the problem of water. It features of compact layout, less space taken, environment friendly. In addition, it can effectively prevent metal oxidation during the process procedure, the reasonable process help to get the maximum value of the metal recovery.



废铝
Aluminum Scrap



重有色金属废料
Heavy Non-Ferrous Scrap

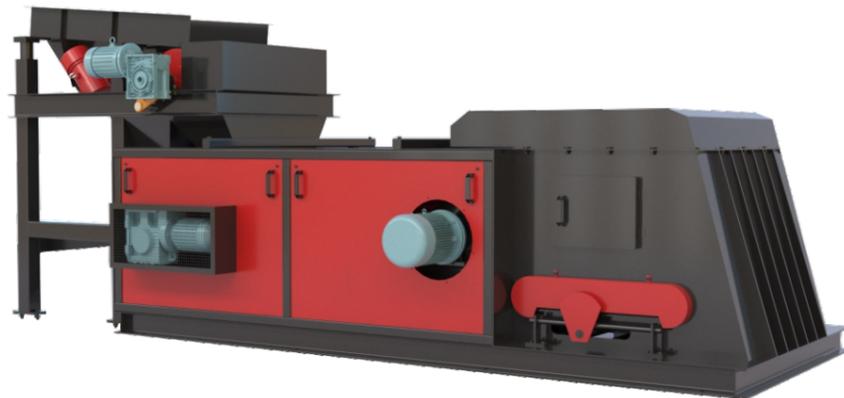


TLFXP 偏心涡电流分选机

TLFXP ECCENTRIC EDDY CURRENT SEPARATOR

本机采用偏心磁辊设计，大角度磁包角，配备振动给料机和挡板调节装置，紧凑合理的整机一体化设计，使得整机性能更稳定，分选效果更佳。

This equipment adopts eccentric magnetic rotor design, large Angle magnetic system, equipped with vibration feeder and baffle adjusting device, compact and reasonable integrated design of the whole machine, which makes the performance of the whole machine more stable and the separation effect better.



产品优势 Product Advantage

全进口轴承

采用全进口的轴承，有效保障设备运行的稳定的；

Imported bearings with long service life.

磁系终身不脱落

磁系采用独特的保护，有效保障磁系终身不脱落；

Special design prevent the magnetic system fall off.

源自世界磁都

磁材来自世界磁都，具有原产地的优势；

Magnetic materials come from the magnetic capital of the world and have the advantage of origin.

更全面的安全保障

安装了各种检查和报警系统，实时监控每个关键部件的操作；

Check and alarm system to monitoring machine operation.

采用喷塑处理工艺

整机采用喷塑处理，有效保证在特殊工况下的设备耐用性；

The machine adopts spray treatment to ensure the equipment durability under special working conditions.

特殊的磁系结果设计

采用特殊的磁系结构设计，提供更加高效的磁源，最大提升金属的感应抛力。

Special magnetic system structure is designed to provide a more efficient magnetic source to maximize the inductive throwing force of the metal.

核心优势 Core Advantage

序号 No.	类型 Type	磁极数量 Pole Number	磁场强度 Magnetic Fieldintensity(Gs)	转速 Speed(r/min)
1	偏心	38	4500	3000
2	偏心	22	4000	3000
3	偏心	22 (国内同行标准) (domestic peer standards)	3000	3000



使用领域 Field Of Use

主要适用于从工业废料、生活垃圾中分选出铜、铝等有色金属。

- 生活垃圾焚烧产生的炉渣； ● 生活垃圾； ● 木屑；
- 废旧玻璃回收； ● 废旧金属回收； ● 造纸厂尾渣；
- 电子垃圾回收； ● 废旧塑料回收。

It is mainly used for separating copper, aluminum and other non-ferrous metals from industrial wastes and household wastes.

- Slag from household refuse incineration. ● Household garbage.
- Tail residue of paper mill. ● Waste glass recycling.
- Scrap metal recycling. ● Recycling of waste plastics.
- E-waste recycling. ● Wood chips.

产品参数 Equipment Parameters

型号 Type	给料皮带 Feed Belt				耗能 Energy Consumption	承重 Bearing	外形尺寸 Overall Dimensions		
	给料宽度(mm) Feed Width(mm)	给料长度 Feed Length(mm)	给料颗粒 Feed Size	处理能力(m³/h) Capacity(m³/h)			总功率(kw) Power(kw)	重量(kg) Weight(kg)	长度(mm) Length(mm)
TLFX(P)-5	300	1500	≥1mm²	6	5.9	730	4600	1123	1200
TLFX(P)-6	400			10	5.9	895		1223	
TLFX(P)-6.5	400			15	5.9	950		1423	
TLFX(P)-8	600			20	5.9	1225		1623	
TLFX(P)-10	800			25	6.3	1555		1823	
TLFX(P)-12	1000			30	7.0	1875		2023	
TLFX(P)-14	1200			35	8.8	2275		2223	
TLFX(P)-16	1400			40	10	2850		2423	
TLFX(P)-17	1500			45	10	3150		2523	
TLFX(P)-20	1800			50	10.7	3650		5000	
TLFX(P)-22	2000	55	13	4500	5000	3023			

物料分选效果 Sorting Effect Diagram

PET塑料 PET Plastic




废钢尾料 Steel Scrap




炉渣 Slag




废旧冰箱 Old Refrigerator




TLFX 同心涡电流分选机

TLFX CONCENTRIC EDDY CURRENT SEPARATOR

产品简介 Product Introduction

TLFX同心涡电流分选机利用导体在高频交变磁场里可以产生感应电流的原理进行设计，但在磁辊上采用同心的设计，当金属块进入磁辊分选区时，会在金属块内部感应出涡电流，此涡电流产生的磁场与原磁场方向相反，有相互排斥的作用力，这个排斥力的作用可以把金属块向前抛出，实现分离的目的。

TLFX concentric eddy current separator with concentric magnetic rotor design, is the use of conductor in the high frequency alternating magnetic field can produce induced current principle to carry on the design, when it is working the separation magnetic roller surface will produce high-frequency alternating magnetic field, and when the metal into the strong magnetic separation zone, the metal piece inside can induction to the eddy current, this eddy current magnetic field is in the opposite direction as the original, produce mutually exclusive reaction, the repulsive force function can put metal piece was thrown forward, the realization of the aim of separation.



适用范围 Scope Of Application

主要适用于从工业废料、生活垃圾中分选出铜、铝等有色金属；可广泛应用于垃圾处理、废旧汽车拆解回收、废旧电器回收等领域，以及有色金属加工行业的物料处理等行业。

It is mainly used to separate copper, aluminum and other non-ferrous metals from industrial waste and household waste. It can be widely used in the fields of waste disposal, waste automobile disassemble and recycling, waste electrical appliance recycling, and non-ferrous metal processing industry.

产品优势 Product Advantage

- 使用进口轴承，使用寿命长，运行良好；
- 采用PLC可编程控制，一键启动，操作简单；
- 磁辊采用有效的磁系保护，防止高速运转时磁系脱落；
- 采用智能触碰控制系统，变频控制，运行更平稳可靠；
- 整机采用特殊工艺，精密打造，设备运行时噪音和振动极小；
- 安装了各种检查和报警系统，实时监控每个关键部件的操作。
- Imported bearings with long service life.
- PLC programmable control, easy operation.
- Special design prevent the magnetic system fall off.
- Intelligent touch and frequency conversion control keep machine stable.
- Special craft, precision manufacture reduce the noisy.
- Various inspection and alarm systems are installed to monitor the operation of each key component in real time.

两款机型 Two Models

天力针对TLFX同心涡电流分选机提供两款机型：双辊同心涡电流分选机和三辊同心涡电流分选机，三辊同心涡电流分选机的设计相较于双辊同心涡电流分选机设计更合理，分选效果更优。

Tianli provides two models for TLFX concentric eddy current separator: Two-roll concentric eddy current separator and three-roll concentric eddy current separator. The design of three-roll concentric eddy current separator is more reasonable than two-roll concentric eddy current separator, with better separation effect.

产品参数 Equipment Parameters

型号 Type	给料皮带 Feed Belt				耗能 Energy Consumption	承重 Bearing	外形尺寸 Overall Dimensions		
	给料宽度(mm) Feed Width(mm)	给料长度 Feed Length(mm)	给料颗粒 Feed Size	处理能力(m ³ /h) Capacity(m ³ /h)	总功率(kw) Power(kw)	重量(kg) Weight(kg)	长度(mm) Length(mm)	宽度(mm) Width(mm)	高度(mm) Height(mm)
TLFX-5	300	1500	≥25mm ²	8	5.9	630	4600	1123	1200
TLFX-6	400			12	5.9	795		1223	
TLFX-6.5	400			15	5.9	850		1423	
TLFX-8	600			22	5.9	1120		1623	
TLFX-10	800			27	6.3	1450		1823	
TLFX-12	1000			32	7.0	1750		2023	
TLFX-14	1200			37	8.8	2150		2223	
TLFX-16	1400			42	10	2750		2423	
TLFX-17	1500			47	10	3000		2523	
TLFX-20	1800			52	10.7	3550		5000	

TLCG 传感式金属分选机

TLCG METAL SORTER

产品简介 Product Introduction

天力TLCG传感式金属分选机，采用高灵敏传感器技术识别/检测出废料中的金属颗粒，然后通过压缩空气喷嘴将金属颗粒从废料中分离开来，从而达到实现两种不同性质物料分离的目的。

TLCG Metal Sorter, based on high sensitivity sensor technology to identify/detect the metal particles in the waste material, and then the metal particles are separated from the waste material through the compressed air nozzle, so as to achieve the purpose of separating two materials with different properties.

传感配置器 Sensor Configuration

- 采用集成特殊的图像处理技术的高灵敏电磁（EM）传感器，基于材料电导率进行识别，可实现在高产量下获得最高纯度。- Em3 High sensitivity electromagnetic (EM) sensor based on material conductivity identification is adopted with special integrated image processing technology to achieve the highest purity in high yield.-EM3
- 电磁（EM）传感器和近红外（NIR）光谱传感器的集成，可基于材料电导率及其独特光谱特征进行识别。- EM3-NIR1 ("poly") The integration of the electromagnetic (EM) sensor and the near-infrared (NIR) spectrum sensor can be identified based on the material conductivity and its unique spectral features.-em3-nir1("poly")

备注：分辨率：两种可选的电磁传感器分辨率为卷径25mm和12.5mm，电磁传感器可探测的最小金属尺寸为1-2mm。
Remark:Resolution: the resolution of the two optional electromagnetic sensors is 25mm and 12.5mm,and the minimum metal size detected by the electromagnetic sensor is 1-2mm.



产品优势 Product Advantage

- 提升产品纯度（5-15%）；
- 最大化金属回收；
- 稳定的分选性能；
- 附件过程监控；
- 减少压缩空气消耗（15-25%）。
- Improve product purity (5-15%).
- Maximize metal recycling.
- Stable separation performance.
- Annex process monitoring.
- Reduce compressed air consumption (15-25%).

产品规格 Product Parameters

阀组类型和喷嘴间距 Valve Type And Nozzle Spacing	TLCG-6	TLCG-12	TLCG-18	TLCG-24	TLCG-30
Ts1500/6.25mm	48阀门/valve	96阀门/valve	144阀门/valve	192阀门/valve	240阀门/valve
Ts400/6.25mm	96阀门/valve	192阀门/valve	288阀门/valve	384阀门/valve	480阀门/valve
TS200/6.25mm	96阀门/valve	192阀门/valve	288阀门/valve	384阀门/valve	480阀门/valve

型号 Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	重量 Weight(kg)	能耗 Power(kw)
TLCG-6	600	1400				2580	4.3
TLCG-12	1200	2000			2084	3550	4.3
TLCG-18	1800	2600	4000	6420		4360	6.1
TLCG-24	2400	3200			2115	5760	6.6
TLCG-30	3000	3800				6520	8.1

传感器的典型应用 Typical Applications Of Sensors

典型应用/典型 Typical Applications		传感器类型 Sensor Type	
		A	B
各类金属回收 Metal Recycling	回收所有金属 Recycle All Kinds Of Metals	●	●
不锈钢 Stainless Steel	获得高纯度的不锈钢物料 Get High Purity Stainless Steel	●	●
线缆回收 Cable Recycling	获得高纯度的绝缘铜线物料 Recycle All Kinds Of Cables		●
塑料回收 Rubber Recycling	回收所有可见塑料 Recycle All Kinds Of Rubbers		●
塑料分选 Rubber Sorting	分选各种不同材料塑料，如PP/PS/PE,ABS/ABS-PC Sorted All Kinds Of Rubbers, Like PP/PS/PE, ABS/ABS-PC	●	●
特殊应用 Special Application	金属提纯和杂质剔除 Metal Impurity And Remove Contamination	●	●

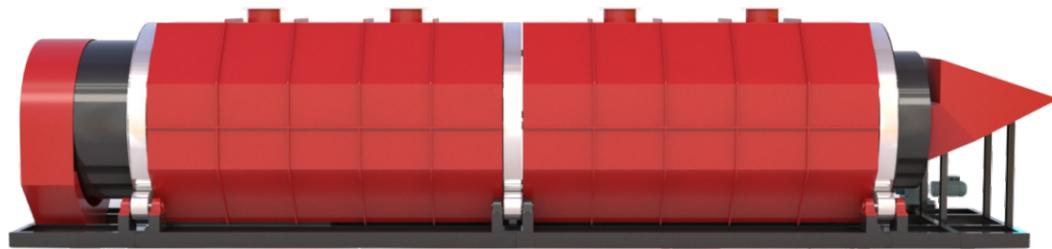


TLGTS 滚筒筛

TLGTS DRUM SCREEN

滚筒筛主要适用于各种固废的颗粒大小分级处理，工艺简单，适用于生活垃圾、建筑垃圾、废金属，以及矿山、电厂、建材、冶金等行业。

The drum screen is mainly suitable for the grading treatment of solid waste of various sizes, the process is simple, including household waste, construction waste, waste metal, and mining, power plant, building materials, metallurgy and other industries.



产品优势 Product Advantage

- 占用空间小，投资成本降低，运转平稳可靠；
- 结构坚固、使用寿命长，驱动轮采用耐磨橡胶，振动和噪音极小；
- 筛分效率高，产量大，工艺简便，安装、维护方便，操作方便；
- 功率小，能耗低，筛体内配有清扫装置，筛孔不易被堵塞；
- 对物料的适应能力强，粘性、湿度大、脏、杂等各种性质的物料都能筛分，对垃圾分选可增加破袋装置。
- Drum screens have solid construction, and enjoy long life time. The driving wheels are of friction-resistant rubber and yield very small vibration and very small noise.
- High screening efficiency and large output, the technology is simple, the installation and maintenance is convenient, the operation is convenient.
- Small space required, low investment cost, stable and reliable running.
- Low power, low energy consumption, with cleaning device equipped inside, the screens holes are not easy to be blocked.
- Strong adaptability to all kinds of materials including materials with high viscosity or high humidity, dirt materials and mixed materials. Bag shredding device can be added if necessary.

产品规格 Product Parameters

	型号 Model	功率 Power(kw)	直径 Diameterh(mm)	长度 Lengt(mm)	产量 Output(m³/h)	转速 Speed(r/min)	倾斜度 Inclination(%)
TLGTS-12系列	TLGTS-1220	4.0	Φ1200	2000	12	5~25	0~6
	TLGTS-1240	5.5		4000	18		
	TLGTS-1260	5.5		6000	20		
	TLGTS-1290	7.5		9000	35		
TLGTS-15系列	TLGTS-1560	7.5	Φ1500	6000	35	5~25	0~6
	TLGTS-1590	11		9000	50		
	TLGTS-15120	18.5		12000	65		
TLGTS-18系列	TLGTS-1860	11	Φ1800	6000	50	5~25	0~6
	TLGTS-1890	18.5		9000	65		
	TLGTS-18120	22		12000	75		
TLGTS-20系列	TLGTS-2060	18.5	Φ2000	6000	65	5~25	0~6
	TLGTS-2090	22		9000	75		
	TLGTS-20120	30		12000	85		

注：不同物料的筛分性能将出现差异。

Note: sieving performance of different materials will be different.

TLZ 空气分选设备

TLZ AIR SEPARATION

产品原理 Product Principle

物料通过振动给料机，均匀进入到Z型斗中，物料由于自由落体向下运动，在经过Z型斗的过程中，将物料充分打散，再经过离心风机将轻飘物和泥土向上吸进旋风除尘器中，通过旋风除尘器将轻物质和泥土排出，重的物质由于重力的作用，在Z型斗中直接掉下，进入到后续的分选工序。

Material by vibrating feeder, evenly into the bucket, Z material due to free fall downward movement, after the process of Z type hopper, will break the material thoroughly, repass centrifugal fan and the light and mud sucked up into the cyclone dust collector, through the cyclone speak light material and soil, heavy material due to the effect of gravity, in direct drop in the bucket, Z into the subsequent separation process.



适用范围 Scope Of Application

适用于废钢尾料(ASR)。
Suitable for scrap steel tail stock (ASR).

产品用途 Product Use

将废钢尾料中的轻飘物和泥土分离出来，从而得到干净的物料，提高分选效率和分选纯度。

The light material and soil in the waste steel tailings are separated to obtain the clean material and improve the separation efficiency and purity.

TLXZ 新型空气分选机

TLXZ AIR CLASSIFIER

产品规格 Product Parameters

型号 Model	鼓风机 Air Blower	进料阀 Feed Valve	轻料阀 Light Material Valve	粉尘阀 Dust Valve	产能 Capacity(t/h)
TLL-TLS43	20-30HP	2HP	2HP	2HP	4-5
TLL-TLS86	40HP	3HP	1.5HP	3HP	8-10

Designed to process Eddy Current Separator ASR waste and optimize separation between soft light particles (foam, textile...), solid heavy particles (metals, rubber, heavy plastic, wood...) and dust.

Using a TIANLI Air Classifier after your ECS and before your sensor based separators results in a better material presentation to your sensor separators and a greater purity of your Zurik and Copper Wire. The metals, including copper wire, ends up concentrated in the heavy fractions coming off the TIANLI Air Classifier that typically represents over 60% in weight of the ECS waste, but less than 50% in volume.

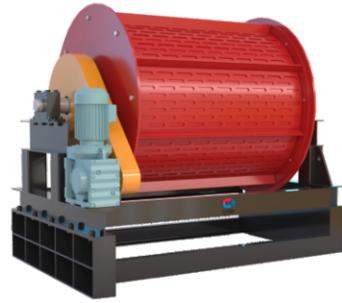
产品简介 Product Introduction

用于处理涡流分离器分离的废物，包括轻物料泡沫，纺织品等；固体重物料金属，橡胶，重塑料，木头和灰尘。在涡流分选机之后及传感器类分选机之前，使用天力公司的新型空气分选机，可以给智能感应分选机供应更理想的材料，从而提高不锈钢和铜线的纯度。经由空气分选机的重料阀选出来的包括铜线的金属，重量上占比超过涡流分选机尾料的60%，但是体积上占比小于50%。



TLSXG(D) 上吸式磁滚筒

TLSXG(D) MAGNETIC DRUM



产品优势 Product Advantage

- 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；
- 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。

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。

产品规格 Product Parameters

型号 Type	适应皮带机宽度 Suitable Belt Width(mm)	滚筒尺寸 Size Of Roller(mm)	电机功率 Motor Power(kw)	励磁功率 Excitation Power(kw)	总重量 Weight(kw)
TLSXG(D)-6	600	Φ500*600	1.5	2.8	1520
TLSXG(D)-6.5	650	Φ500*650	1.5	3.0	1550
TLSXG(D)-8	800	Φ600*800	2.2	5.0	2720
TLSXG(D)-10	1000	Φ800*1000	3.0	7.5	3920
TLSXG(D)-12	1200	Φ800*1200	4.0	10.0	5280
TLSXG(D)-14	1400	Φ1000*1400	4.0	14.0	7500
TLSXG(D)-16	1600	Φ1200*1600	5.5	15.0	8880

注：外形可根据现场定制，磁场强度根据物料性质定制。

Note: shape can be customized according to the site, custom magnetic field intensity according to the material properties.

- 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, low maintenance costs, reduce running cost.
- Along the belt running direction installation, reducing the installation space, applicable to any Angle belt conveyor installation.
- 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

- 滚筒采用有效的防护装置，防止筒皮磨损；
- 磁场强度高、磁场的范围大、磁滚筒表面从1000-8000GS根据客户实际情况选定；
- 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。

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。

产品规格 Product Parameters

型号 Type	滚筒长度 Drum Length(mm)	滚筒直径 Drum Length(mm)	磁感应强度 Magnetic Intensity(GS)	电机功率 Motor Power(kw)	振动机功率 Vibrator Power(kw)
TLRCT-32/50	500	Φ320	1800-8000	1.1	0.4
TLRCT-32/60	600				0.4
TLRCT-32/80	800			1.5	0.8
TLRCT-32/100	1000				0.8
TLRCT-32/120	1200				1.1
TLRCT-32/140	1400				1.5

注：滚筒型号、数量、磁感应强度根据处理量和物料性质量身定制。

Note: Drum type, quantity, magnetic intensity can be tailored according to the amount of processing and material properties.

- 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.

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.



CTS(B,N) 湿式永磁筒式磁选机

CTS(B,N) WET DRUM MAGNETIC SEPARATOR

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		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		外型尺寸 Installation dimensions	功率 Power(kw)	重量 Weight(kg)
	筒径 (mm)	筒长 (mm)			t/h	m ³ /h			
CTS(B,N)-409	Φ400	900	30	按照矿物性质确定磁感应强度 The magnetic strength should be determined in accordance with the nature of the 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	

CXGA 干式磁选机

CXGA DRY TYPE MAGNETIC SEPARATOR

产品优点 Product Advantages

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.

适用范围 Scope Of Application

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.

产品规格 Product Parameters

型号 Type	滚筒长度 Drum Length(mm)	滚筒直径 Drum Diameter(mm)	滚筒数量 Drum Quantity(pcs)	物料颗粒 Material Size≤(mm)	电机功率 Motor Power(kw)	磁感应强度 Magnetic Intensity(GS)	滚筒转速 Drum Speed(r/min)	
CXGA-3240-I	400	Φ320	1	5	0.75	800-8000	17-28	
CXGA-3240-II			2	6	0.75			
CXGA-3260-I	600		1	5	0.75			
CXGA-3260-II			2	6	0.75			
CXGA-3280-I	800		1	5	1.1			
CXGA-3280-II			2	6	1.1			
CXGA-4060-I	600		Φ400	1	5			1.1
CXGA-4060-II				2	6			1.1
CXGA-4080-I	800	1		6	1.1			
CXGA-4080-II		2		8	1.5			

注：滚筒型号、数量、磁感应强度根据处理量和物料性量身定制。
Note: Drum type, quantity, magnetic intensity can be tailored according to the amount of processing and material properties.

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.



RCYQ 轻型自卸式永磁除铁器

RCYQ LIGHT-WEIGHT PERM-MAGNETIC SEPARATOR



产品优势 Product Advantage

- 噪音低，并能连续吸、弃铁；
- 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；
- 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.

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)	驱动功率 Driveing Power(kw)	适应皮带速度 Suitable Belt Speed	外形尺寸 Overall Dimensions		总重量 Weight(kg)
							长×宽×高 L×W×H(mm)	吊环中心距 Suspension Center	
RCYQ-5	500	80	150	70	1.5	≤2.5m/s	1800*950*430	700*690	450
RCYQ-6	600	125	200		1.5		1900*1050*430	800*790	600
RCYQ-6.5	650	150	200		1.5		1950*1100*430	850*840	600
RCYQ-8	800	200	250		2.2		2100*1250*430	1000*990	720
RCYQ-10	1000	250	300		3.0		2300*1250*440	1200*990	850
RCYQ-12	1200	300	350		3.0		2500*1250*440	1400*990	1200
RCYQ-14	1400	350	400		4.0		2700*1450*440	1600*1190	1530
RCYQ-16	1600	400	450		5.5		2900*1500*440	1800*1190	1850

注：可选加强型T1、T2、T3产品，磁场强度分别为90MT、120MT、150MT。

Note: optional enhanced T1, T2 and T3 products, magnetic field intensity respectively for 90MT, 120MT, 150MT.

RCYQII 轻型自卸式永磁除铁器

RCYQII LIGHT-WEIGHT PERM-MAGNETIC SEPARATOR



产品简介 Product Introduction

RCYQII轻型自卸式永磁除铁器是在RCYQ轻型自卸式永磁除铁器的基础之上进行了改进，皮带采用PVC皮带，磁源更加的均匀，有效针对于再生资源中的平皮带中的除铁。

RCYQII developed on the basis of RCYQ magnetic separator improved the belt, use PVC leather belt, the magnetic source is more uniform, effective for renewable resources of iron in the flat belt.

适用范围 Scope Of Application

主要针对于再生资源中轮胎粉碎生产线、电子垃圾回收生产线中比较细小的铁质磁选，可适用较宽的皮带，为客户节约成本。

Mainly for the renewable resources in tyre crushing line, e-waste recycling line in relatively small iron magnetic separation, can be used on wide belt, cost savings for customers.

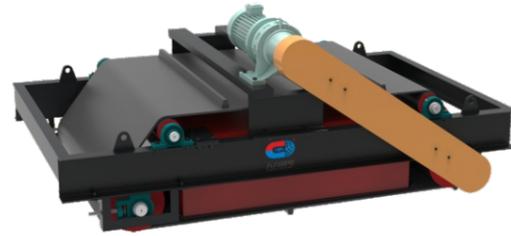
产品优点 Product Advantages

- 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



产品简介 Product Introduction

RCYDII自卸式永磁除铁器是在RCYB悬挂式永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，卸铁方便，可连续工作。

RCYDII developed on the basis of RCYB magnetic separator, and installed framework, discharging belt, drive motor, drive roller and so on. It's easy to discharge the iron contamination and can working continuously.

产品优点 Product Advantages

- 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。

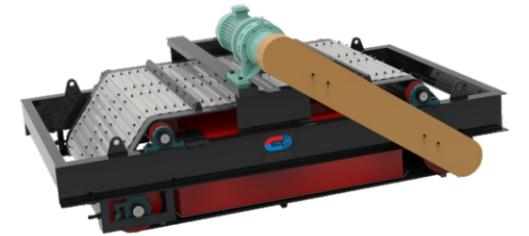
- Adopting the computer simulation to design the Magnetic circuit,with perfect double magnetic pole structure, higher magnetic intensity, higher gradient, higher magnetic force.
- High-performance NdFeB magnetic material as the magnetic source, High magnetic energy, not easy to demagnetize, and demagnetization 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.

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)	驱动功率 Driveing Power(kw)	适应皮带速度 Suitable Belt Speed	外形尺寸 Overall Dimensions		总重量 Weight(kg)
							长×宽×高 L×W×H(mm)	吊环中心距 Suspension Center	
RCYD-5	500	80	150	63	1.5	≤2.5m/s	1650*835*940	1100*635	580
RCYD-6	600	125	200				1700*935*940	1150*735	700
RCYD-6.5	650	150	200	1750*985*940	1200*785		700		
RCYD-8	800	200	250	1900*1140*960	1350*935		820		
RCYD-10	1000	250	300	2140*1350*1010	1590*1135		1220		
RCYD-12	1200	300	350	2340*1550*1060	1790*1335		1420		
RCYD-14	1400	350	400	2540*1750*1060	1990*1535		1730		
RCYD-16	1600	400	450	3040*1550*860	2190*1335		2140		

RCYK 铠装自卸式永磁除铁器

RCYK ARMORED TYPE PERM-MAGNETIC SEPARATOR



产品简介 Product Introduction

RCYK铠装自卸式永磁除铁器是在RCYDII自卸式永磁除铁器的基础之上改进了卸铁皮带，采用了不锈钢防护铠装式皮带，有效的防止皮带的磨损和腐烂。

RCYK developed on the basis of RCYDII magnetic separator improved iron straps,adopt stainless steel anti-corrosion armor type belt, effectively prevent the belt from wear and decay.

产品优点 Product Advantages

- 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；
- 具有皮带自动纠偏功能，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 debris,unerring 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.

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)	驱动功率 Driveing Power(kw)	适应皮带速度 Suitable Belt Speed	外形尺寸 Overall Dimensions		总重量 Weight(kg)
							长×宽×高 L×W×H(mm)	吊环中心距 Suspension Center	
RCYK-5	500	80	150	70	1.5	≤4.5m/s	1650*835*940	1100*635	630
RCYK-6	600	125	200				1700*935*940	1150*735	760
RCYK-6.5	650	150	200				1750*985*940	1200*785	760
RCYK-8	800	200	250				1900*1140*960	1350*935	900
RCYK-10	1000	250	300				2140*1350*1010	1590*1135	1350
RCYK-12	1200	300	350				2340*1550*1060	1790*1335	1570
RCYK-14	1400	350	400				2540*1750*1060	1990*1535	1900
RCYK-16	1600	400	450				3040*1550*860	2190*1335	2320

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；
- 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.
- 各项技术指标均符合JB/T8711-2006。
- 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.

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)	适应皮带速度 Suitable Belt Speed	外形尺寸 Overall Dimensions		总重量 Weight(kg)
						长×宽×高 L×W×H(mm)	吊环中心距 Suspension Center	
RCYB-4	400	80	130	45	≤2.5m/s	400*300*240	300*200	80
RCYB-5	500	100	150	50		500*400*240	400*300	125
RCYB-6.5	650	150	200	70		650*400*240	550*300	200
RCYB-8	800	200	250	70		800*400*420	700*300	300
RCYB-10	1000	250	300	70		1000*600*420	900*500	500
RCYB-12	1200	300	350	70		1200*800*420	1100*700	800

注：可选加强型T1、T2、T3产品，磁场强度分别为90MT、120MT、150MT。

Note: optional enhanced T1,T2 and T3 products,magnetic field intensity respectively for 90MT,120MT,150MT.

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.

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，铁杂质不多的场合。

Applicable to all belt conveyor, vibration feeder and chute, and available to the occasion of less iron contamination.

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)	适应皮带速度 Suitable Belt Speed	电磁冷却 Cooling Way	外形尺寸 Overall Dimensions		总重量 Weight(kg)
								长×宽×高 L×W×H(mm)	吊环中心距 Suspension Center	
RCDB-5	500	80	150	60	1.0	≤4.5m/s	自然冷却 Natural Cooling	660*660*440	Φ550	410
RCDB-6	600	125	200		1.6			760*760*450	Φ650	680
RCDB-6.5	650	150	200	2.0	810*810*450			Φ700	680	
RCDB-8	800	200	250	3.6	960*960*450			Φ850	950	
RCDB-10	1000	250	300	5.0	1160*1160*460			Φ1050	1520	
RCDB-12	1200	300	350	6.8	1360*1360*460			Φ1250	2250	
RCDB-14	1400	350	400	9.0	1560*1560*470			Φ1450	2950	
RCDB-16	1600	400	450	11.6	1760*1760*490	Φ1650	3890			

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 excitation power and weight increase.

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.

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.

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		总重量 Weight(kg)
									长×宽×高 L×W×H(mm)	吊环中心距 Suspension Center	
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		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	70	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

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 excitation power and weight increase.



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

TLBL 板链式风选机

TLBL BOARD CHAIN TYPY AIR SEPARATOR



适用范围 Scope Of Application

本设备利用负压吸附原理，根据固废中不同组分物质之间表面积、比重等物理属性的差异实现轻重物质的分离，常与振动筛、星盘筛、弹跳皮带机等设备配合使用。本设备不会产生污泥或导致类似的水污染，而且本设备还可通过进一步配置除尘装置确保无粉尘生产。

This equipment makes use of the principle of negative pressure adsorption to realize the separation of heavy and heavy materials according to the differences of physical properties such as surface area and specific gravity among different components in solid waste.

The equipment will not generate sludge or cause similar water pollution, and the equipment can be further equipped with a dust removal device to ensure no dust production.

产品规格 Product Parameters

- 总功率55-90KW；
 - 处理能力范围0-200 m³/h。
- (有多种规格系列，具体规格及参数可根据实际项目工艺需要选择或做非标设计)

- Total power:55-90kw.
 - Processing capacity range 0-200 m³/h.
- (There are a variety of specifications, and the specific specifications and parameters can be selected or non-standard design according to actual project process requirements)

适用范围 Scope Of Application

适用范围广，建筑垃圾、园林垃圾、原生垃圾、陈腐垃圾等固废的轻重物质分离皆可使用；通过进一步配置除尘设备可实现无粉尘生产，也可有效控制该环节的臭气扩散，尤其胜任对工作环境的粉尘控制及臭气控制有严格要求的情况；本设备主体采用不锈钢或锰钢等优质材料制造，经久耐用；

设备安装调节简单、方便，运行稳定、可靠，故障率低，维护成本低。

It is applicable to a wide range of applications.The heavy and light material separation of solid waste such as construction waste,garden waste,native waste and stale waste can be used;By further disposing the dedusting equipment,the production of no dust can be realized and the diffusion of the odor can be effectively controlled;The main body of the equipment USES stainless steel or manganese steel and other quality materials, durable;

Equipment installation and adjustment simple, convenient, stable and reliable operation, low fault rate, low maintenance cost.

TLCZ 弛张筛

TLCZ VIBRATORY SCRREENS



产品简介 Product Introduction

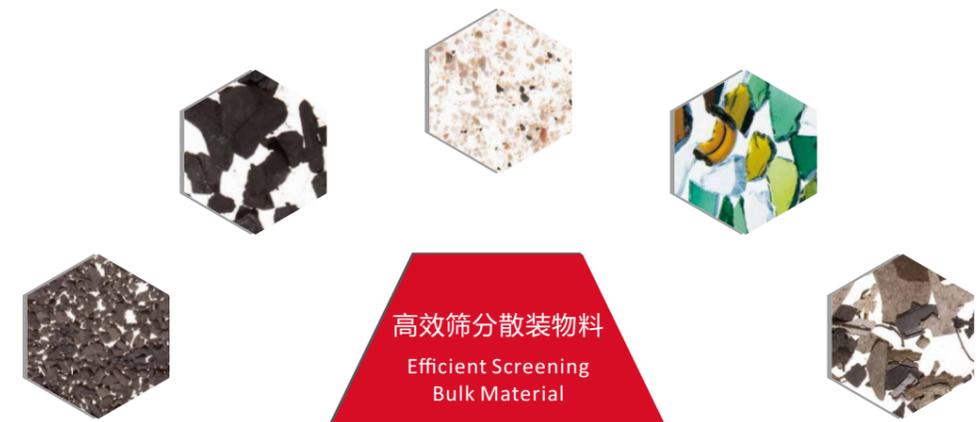
主要用于极难筛分的物料，如：湿度大、片状、粘稠物料等容易堵塞筛孔的物料进行筛分，通过电机带动激振器的震动，使得柔性聚氨酯筛板产生“弛-张”的效果，促使这些极难筛分的物料获得一个极大的加速度而被从筛板上弹起，从而在保证高效筛分的同时，确保筛孔不被堵塞。

It is mainly used for screening of extremely hard materials, such as: high humidity, flake, sticky silk material such as easy to plug mesh material for screening, through the motor drive the vibration of the vibrator, make flexible polyurethane sieve plate "Vibrating" effects, prompting the screening of the extremely hard materials for a great acceleration and the bounce from the sieve plate, to ensure efficient screening at the same time, to ensure the mesh is not blocked.

适用范围 Scope Of Application

广泛应用于极难筛分的潮湿物料，如废钢尾料、炉渣、建筑砂石等行业。

Widely used in extremely difficult to screen wet materials, such as ASR material, slag, construction sand and stone industries.



TLDT 单轴螺旋筛

TLDT SINGLE SHAFT SPIRAL SCREEN

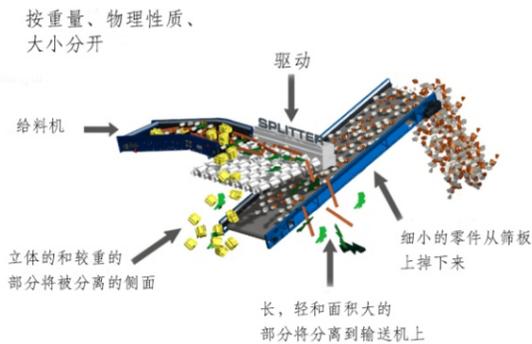


产品优势 Product Advantage

- 筛面坚固耐用；
- 湿物料不堵筛孔；
- 无振动，噪音低；
- 推进速度快，处理能力大（比振动筛大2倍）；
- 可通过无级调速的方式来调整处理量；
- 电机可采用变频驱动方式，能耗更低；
- 链式联动的驱动方式，特制耐磨链轮，运行稳定性极高；
- 模块化设计，方便维护和结构调整；
- 源自欧洲的最先进的螺旋筛分设计概念，可根据筛分尺寸要求进行调整；
- 可完美替代滚筒筛，相对滚筒筛处理量更大，占地更小，筛分效率更高。

- Screen through rate is high.
- Wet material does not plug screen hole.
- The screen surface is firm and durable.
- Fast propulsion speed, large processing capacity (2 times larger than the vibrating screen).
- The most advanced spiral screen design concept from Europe, can be adjusted according to the size of the screen requirements.
- Can be a perfect substitute for the drum screen, with higher capacity, smaller space occupy, higher efficiency.
- Stepless speed regulation can be used to adjust the processing capacity.
- Motor can be driven by frequency convert, lower energy consumption.
- Chain linkage driving mode, special wear-resistant sprocket wheel, high operation stability.
- Modular design for easy maintenance and structural adjustment.

操作示意图



TLYJ 跃进筛

TLYJ LEAP SCREEN



产品简介 Product Introduction

天力电磁独特设计的跃进筛主要用于生产能力很大的场合，适于中、细粒度物料干、湿式粒度的分级、脱水、脱介和脱泥作业。具有生产能力大，筛分效率高，与累积使用多台普通型筛机按同样的生产能力相比，具有节省占地面积、使用可靠、维护方便的特点。该系列振动筛采用块偏心箱式结构、自同步驱动的单电机，结构紧凑。

TIANLI special designed leap screen is mainly used in the occasion of great production capacity, suitable for medium and fine grain material dry and wet particle size classification, dehydration, deintercalation and desliming operations. With large production capacity, screening efficiency, and the cumulative use of more than ordinary screen machine according to the same production capacity, has the characteristics of saving land, reliable use, easy maintenance. This series of vibration Moving screen adopts block eccentric box-type structure, single motor driven by self-synchronization, compact structure.



TLZD 振动脱水筛

TLZD VIBRATING DEWATERING SCREEN

产品优点 Product Advantages

- 采用双振动电机激振结构坚固紧凑，摆脱了传统偏心振动器结构大、漏油、磨损大、噪声大、不便维修等缺点；
- 矿用脱水筛的侧体护板粘有耐磨橡胶，保证脱水筛不受磨损导致变形破裂，并减少了铁质对物料的污染；
- 矿用脱水筛筛网利用的是嵌入式耐磨聚氨酯组合筛网，它的寿命比传统金属筛网高3-10倍，避免了筛网的金属框架与矿石的直接碰撞，减少噪音，减轻金属筛网的厚重感。
- Double vibration motor excitation, firm and compact structure, getting rid of the defects of traditional eccentric vibrator such as large structure, oil leakage, large wear, large noise, inconvenient repair, etc.
- The wear-resistant rubber lined on the side guard plate of dewatering screen protects it from wearing and reduces the pollution of iron.
- Mine dewatering screen uses the embedded wear-resistant urethane mesh, its life is 3-10 times longer than the traditional metal mesh's, and it avoids direct collision of metal frame and ore.

TLDD 弹道分选设备

TLDD SMART BALLISTIC SEPARATOR



产品简介 Product Introduction

天力智能弹道分选机的目的是对高湿度焚烧炉灰中的金属进行回收（通常为20%）；收集的金属部分占总量至少50%，水分含量1/3；易于设备后端的磁选机和涡电流分选机对尾料进行充分的筛选；该设备由一个外配耐撞板的高速旋转滚筒构成，当物料掉向滚筒，碰到撞板时被弹射出去；撞击物料的质量越大，被设备弹射的距离越远；产品将焚烧炉底灰中细颗粒（2mm或者更小）分离至水分含量高的近距离区域，含金属的大颗粒物料被分离至较远距离区域。

The purpose of the TIANLI Smart Ballistic Separator (SBS) is to facilitate the recovery of solid pieces of metals from moist ash (typically around 20%) by concentrating the metals into a fraction that is about 50% less in mass and a third in moisture content making the subsequent ferrous and eddy current metal separation much easier and performing.

The SBS consists in a high speed rotating drum provided with hitting plates around its circumference that virtually "catapult" the particles as they are encountered during their free fall to the drum.

The larger the mass of a particle, the longer the trajectory it takes when thrown by the SBS.

The SBS separates the infeed Incinerator Ash into a short throw fines fraction (minus about 2mm) where moisture is concentrated and a large long throw fraction mainly made of solid pieces including the metals.

TLQL 气力摇床

TLQL PRESSURE DENSITY SEPARATOR



产品优点 Product Advantages

- 物料在倾斜的振动床面上振动运行，暴露在一个恒定且均匀分布的向上气流中，气流会使轻物质漂浮在上方，中等密度的物料朝底部运动，重的物料向顶部运动，因而被分离开，排放到空气中的灰尘可通过旋风除尘或布袋除尘器进行收集和过滤；
- 高强度的穿孔钢板床面；
- 分选效率高；
- 内部结构易清洁和维修。
- Highly robust perforated steel air table.
- Improved material selectivity.
- Maximum efficiency and reliability.
- Easy access for cleaning and maintenance procedures.

产品规格 Equipment Parameters

设备型号 Type	产能 Capacity (t/h)	除风扇外运行功率 Installed Power Without Fan HP	风量 Fan Capacity (CFM)	风压 Fan Pressure (inwc)	风机功率 Blower Power (hz)	长×宽×高 L×W×H(mm)	工台表面 Table Surface (mm)	重量 Weight(kg)
TLQL-4	400	1.55KW-2.07HP	2354	6.7	5	2018*2286*1346	970*835	1550
TLQL-6	500	2.35KW-3.15HP	2943	10.5	8	2718*2700*1800	1470*1250	3100
TLQL-8	650	2.95KW-3.95HP	3414	12.2	10	3200*2997*2133	1778*983	3400
TLQL-10	800	3.35KW-4.49HP	4238	15.7	15	3683*3213*2311	2100*1800	5420

TLWFX 卧式风选机

TLWFX Air Separator



风选技术是以空气为分选媒介，利用空气动力学原理，在气流的作用下使固体废弃物按密度和粒度大小进行分选。

Air separation technology is based on the air as the separation media, using the principle of aerodynamics, the effect of air flow to make solid waste according to density and particle size separation.

TLTTS 弹跳筛

TLTTS BOUNCING SEPARATOR

弹跳筛主要是利用物料的粒径大小与比重差别对垃圾进行分选处理，根据所处理的物料不同，通过调节设备的倾斜角度，将垃圾分选成筛下物，3D重质筛上物和2D轻质筛上物3种物料。

Bouncing Separator is mainly used to separate and treat the garbage according to the difference of particle size and specific gravity of materials. According to the different materials to be processed, the garbage is sorted into three kinds of materials, namely, the material under the screen, the material on the 3D heavy screen and the material on the 2D light screen by adjusting the tilt Angle of the equipment.



TLXPS 星盘筛

TLXPS DISE SEPARATOR

星盘筛使物料在旋转的星盘受料面做直线运动，使物料向前向下移动，同时搅动物料，小于星盘间隙的物料被分离，受自重及筛轴旋转力的作用沿星盘落下，大于星盘间隙的颗粒留在筛面上继续向前移动，进入下一工序。

The disc Separator causes the material to move forward and downward in a straight line on the receiving surface of the rotating disc, so that the material moves forward and downward at the same time. At the same time, the material smaller than the disc gap is separated. The material falls along the disc under the action of the gravity and rotating force of the sieve axis.



TLBL 板链式给料机
TLBL CHAIN CONVEYOR

板链式给料机
CHAIN CONVEYOR

皮带输送机
BELT CONVEYOR

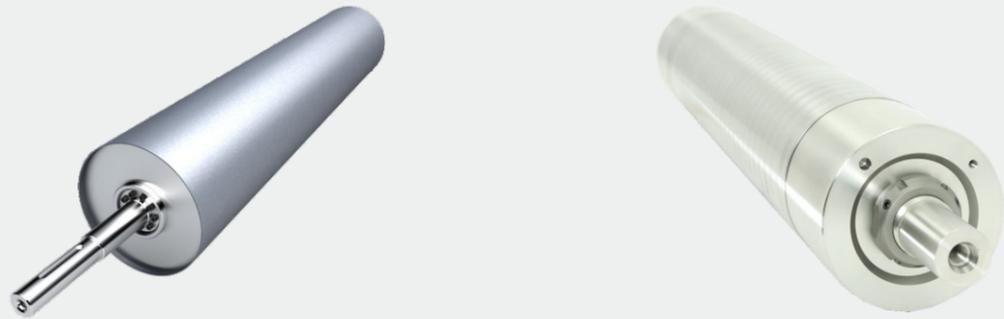
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国外废钢尾料分选现场

天力产品分选项目现场

Tianli Product Sorting Project Site

天力产品分选项目现场

Tianli Product Sorting Project Site



江西废钢尾料分选项目现场



广东废钢尾料分选项目现场



广东废钢尾料分选项目现场



浙江PET分选项目现场



江苏建筑垃圾分选项目现场



贵州生活垃圾分选项目现场

炉渣湿法分选现场案例

Wet Type Of Slag Project Site Case



浙江炉渣分选现场

炉渣干法分选现场案例

Dry Type Of Slag Project Site Case



国外炉渣分选现场



江西炉渣分选现场



国外炉渣分选现场



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