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天力磁电炉渣行业
TIANLI MAGNET SLAG INDUSTRY

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浙江天力磁电科技有限公司
ZHEJIANG TIANLI MAGNET TECHNOLOGY CO., LTD.



COMPANY PROFILE

公司简介

浙江天力磁电科技有限公司，依靠磁选、涡电流分选、传感器分选等核心技术，为环保、矿山、电力、砂石骨料等众多行业提供物料回收处理解决方案。

我们在回收行业的表现尤其出色，经过技术创新的产品，如涡电流金属分选机，传感式金属分离器，自卸式除铁器，磁滚筒等，加上量身定制的解决方案能将黑色金属、有色金属、不锈钢等物料的回收率提高到95%-98%，已经为PET塑料、废钢、废旧冰箱、木屑、生活垃圾、纸渣等处理线客户创造了丰厚的利润。

公司十分注重品牌的推广，每年都参加国内外各个行业的会议及展会，包括上海、广州、德国、美国、澳大利亚、新加坡、韩国等。我们始终与客户保持亲密的沟通，不断吸收和引进国外先进理念和技术，不断开发和完善我们的产品。

天力公司发展迅速，是国内外众多工程公司、合同承包商、技术咨询公司的磁选、涡流分选、传感分选等设备的直接供应商，我们期待与您的深入合作！

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.

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

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!



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我们都能够做什么？

让炉渣垃圾资源再生！

资源再生

炉渣预分选系统方案

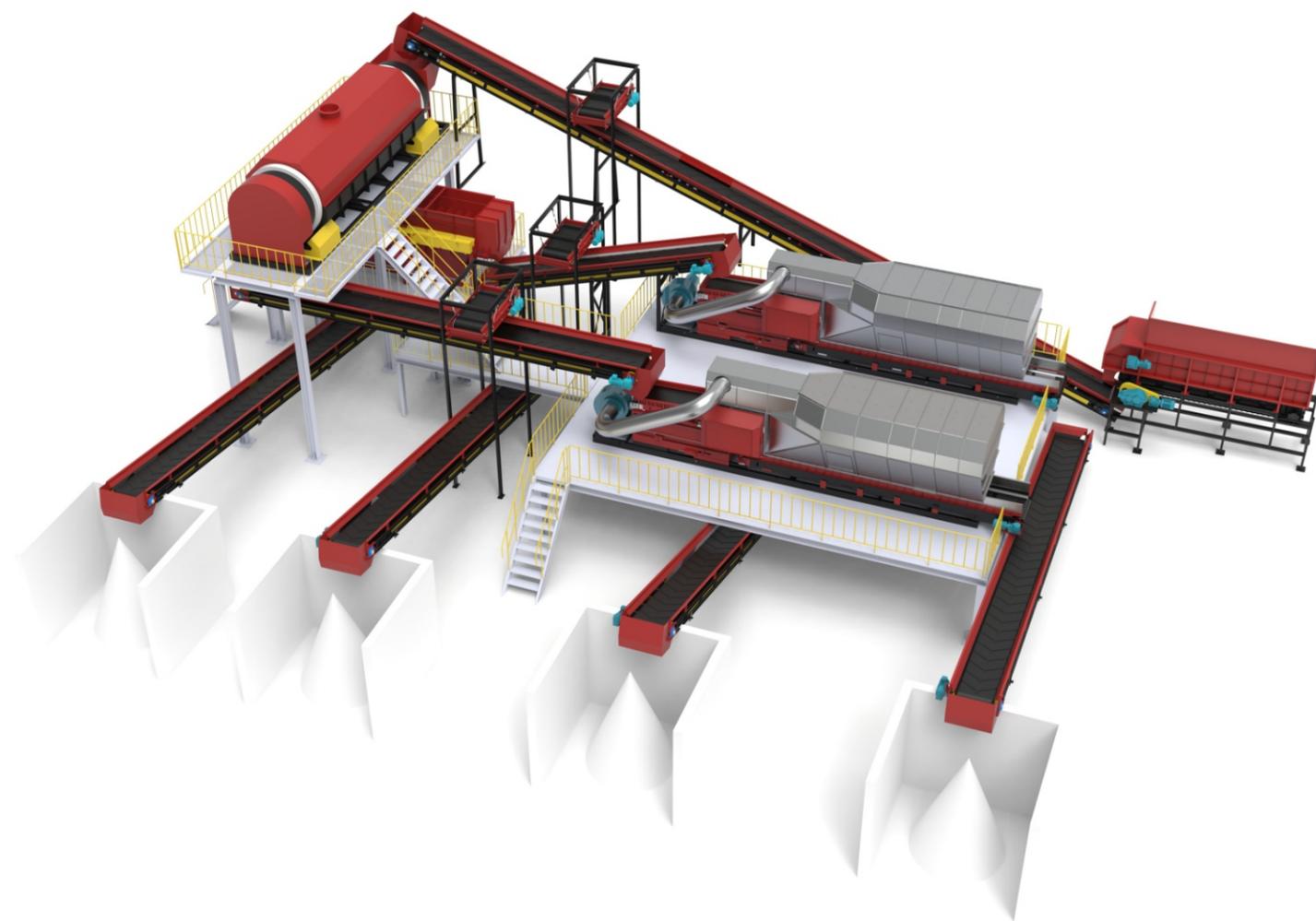
SLAG PER-SORTING SOLUTION

工艺方法 Process Technology

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。

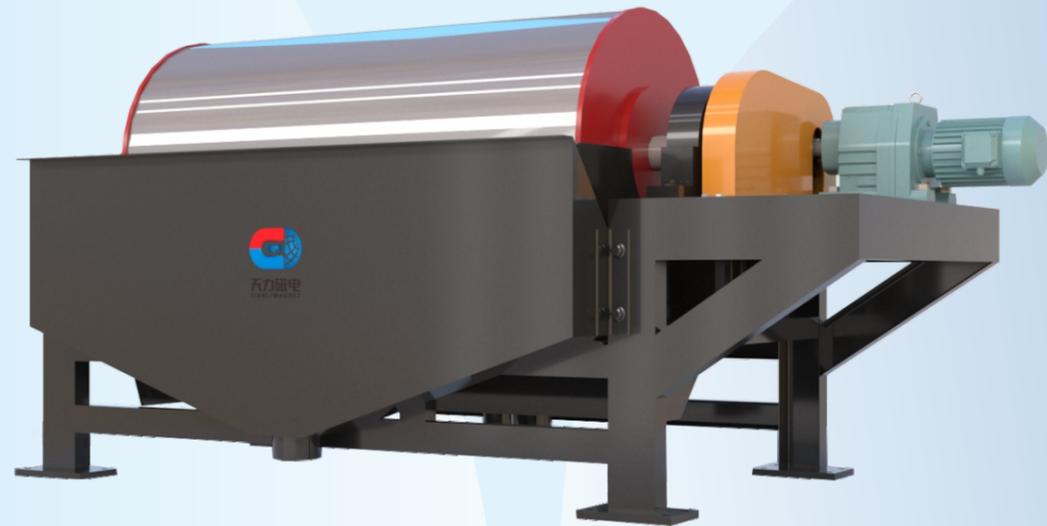
Opposite to the wet process, the dry process of the incinerator slag can avoid to solve the problem of water. It features of compact layout, less space taken, environment friendly. In addition, it can effectively prevent metal oxidation during the process procedure, the reasonable process help to get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



废铝
Aluminum Scrap



重有色金属废料
Heavy Non-Ferrous Scrap



CTS 湿式永磁筒式磁选机

CTS WET DRUM MAGNETIC SEPARATOR

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。

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.

产品优点

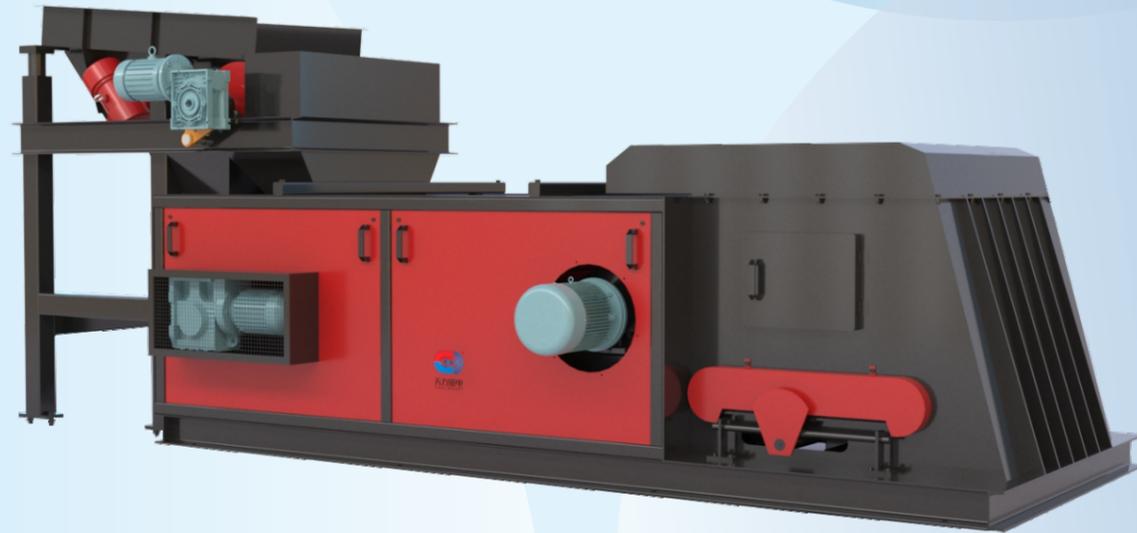
Product Advantages

- 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

Equipment 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



TLFX(P) 偏心涡电流分选机

TLFX(P) ECCENTRIC EDDY CURRENT SEPARATOR

主要适用于从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

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

- Slag from household refuse incineration.
- Household garbage.

产品优点

Product Advantages

- 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.
- Check and alarm system to monitoring machine operation.

分选效果图

Sorting Effect Diagram



分选前
Before Sorting



分选后 (金属)
After Sorting (Metal)



分选后 (非金属)
After Sorting (Non Metal)

产品规格

Equipment Parameters

型号 Type	给料皮带 Feed Belt				总功率 Power(kw)	耗能 Energy Consumption	承重 Bearing	外形尺寸 Overall Dimensions		
	给料宽度 Feed Width(mm)	给料长度 Feed Length(mm)	给料颗粒 Feed Size	处理能力 Capacity(m³/h)				重量 Weight(kg)	长度 Length(mm)	宽度 Width(mm)
TLFX(P)-5	300	1500	≥1mm²	6	5.9	730	4600	1123	1200	
TLFX(P)-6	400			10				895		
TLFX(P)-6.5	400			15				950		
TLFX(P)-8	600			20	1225					
TLFX(P)-10	800			25	1555					
TLFX(P)-12	1000			30	1875					
TLFX(P)-14	1200			35	2275					
TLFX(P)-16	1400			40	2850					
TLFX(P)-17	1500			45	3150					
TLFX(P)-20	1800			50	3650	5000		2823		
TLFX(P)-22	2000	55	4500	3023						



产品优点

Product Advantages

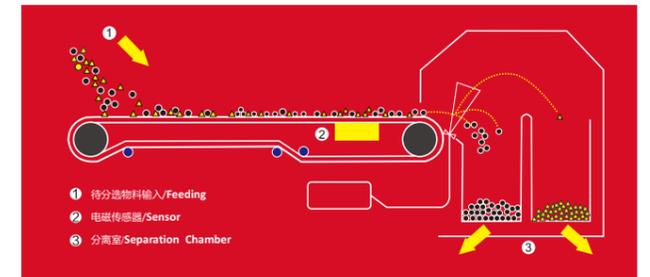
- 提升产品纯度 (5-15%) ; ●最大化金属回收 ; ●附件过程监控 ;
- 稳定的分选性能 ; ●减少压缩空气消耗 (15-25%) 。
- Improve product purity (5-15%). ●Maximize metal recycling;
- Stable separation performance. ●Annex process monitoring.
- Reduce compressed air consumption (15-25%).

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.

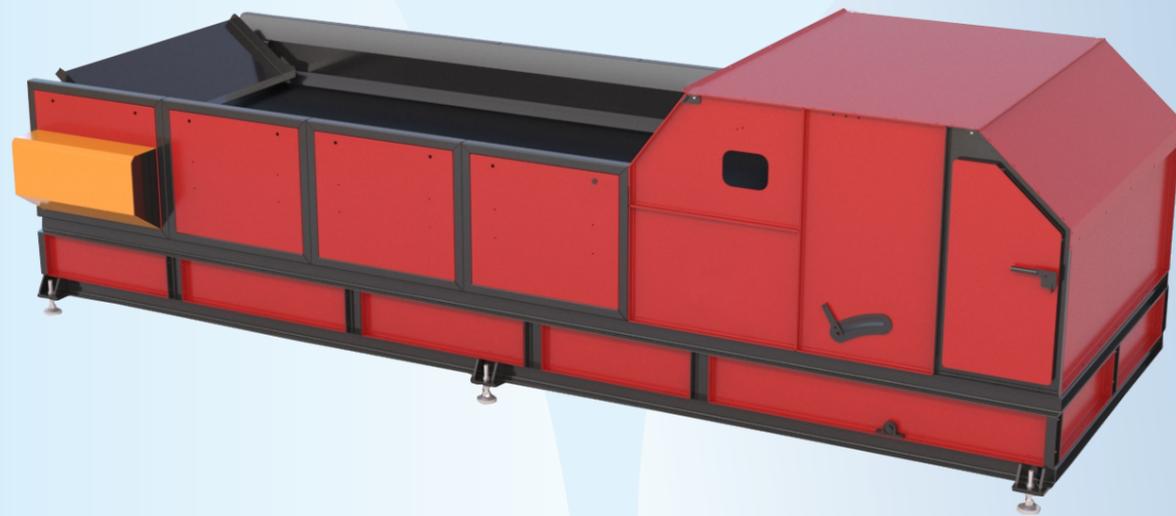


产品规格

Equipment 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	4000	6420	2084	2580	4.3
TLCG-12	1200	2000				3550	4.3
TLCG-18	1800	2600				4360	6.1
TLCG-24	2400	3200			2115	5760	6.6
TLCG-30	3000	3800				6520	8.1



TLCG 传感式金属分选机

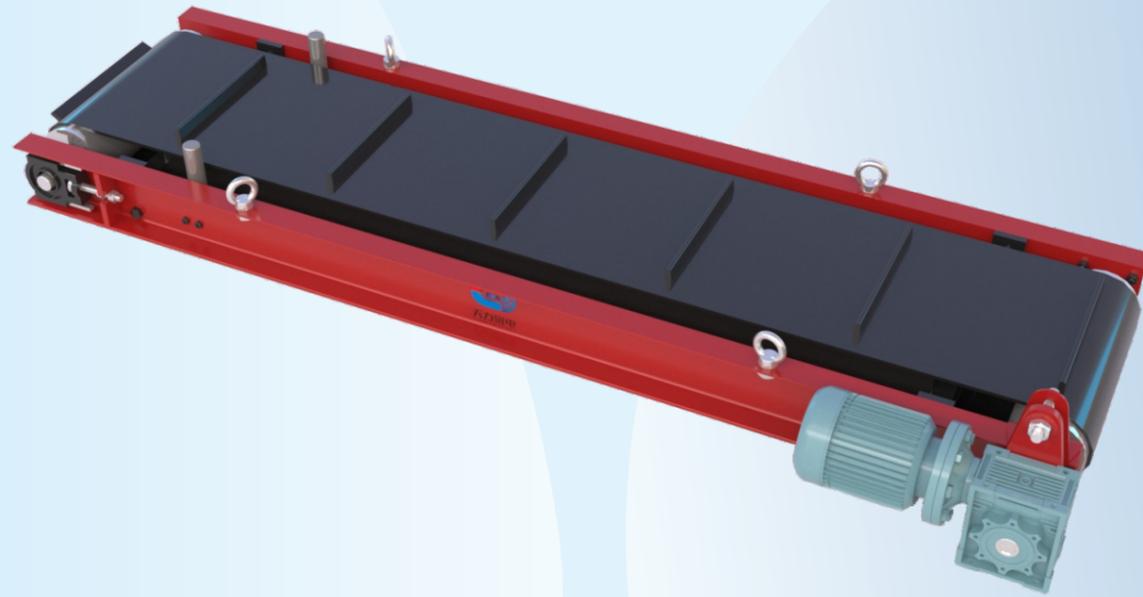
TLCG METAL SORTER

主要适用于从生活垃圾中分选出不锈钢等金属

- 金属回收及提纯
- 生活垃圾

It is mainly used for sorting out stainless steel form household garbage.

- Metal recovery and purification.
- Household garbage.



摇床磁选机

SHAKER MAGNETIC SEPARATOR

摇床磁选机是用于选别细粒物料的重力选矿设备，广泛应用于选别

锡、钨、金银、铅、锌、钽、铌、铁、锰、钛铁和煤等

The shaker magnetic separator is a gravity dressing equipment used to separate fine materials. It is widely used to separate tin, tungsten, gold and silver, lead, zinc, tantalum, niobium, iron, manganese, titanium iron and coal.

产品优点

Product Advantages

- 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；
- 磁性可强弱搭配，分选效果好；
- 设备更加的轻巧、安装简单。

- 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.

产品简介

Product Introduction

摇床主要由床头、电动机、调坡器、床面、矿槽、水槽、来复条以及润滑系统等八个部分组成床面的纵向往复运动是通过曲柄连杆式传动机构来实现的。电动机通过皮带传动使大皮带轮带动曲轴旋转摇杆随之作上、下运动，摇杆向下运动时，肘板推动后轴和往复杆向后移动，弹簧受到压缩床面是通过联动座和往复杆相连的，所以此时亦使床面作后退运动，当摇杆向上运动时，由于受到弹簧的伸张力推动，床面随之向前运动。

The shaker consists of eight parts, such as the head of the bed, the electric motor, the slope regulator, the bed surface, the ore trough, the flume, the rebar and the lubrication system. Larger pulley drive motor through a belt drive the crankshaft rotating rocker subsequently for upper and lower movement, rocker downward movement, bracket for rear axle and reciprocating lever backward, the spring is compressed bed surface is through linkage and reciprocating rod connected, so at this time also made bed face backward movement, when the rocker upward movement, due to the tension of the spring to promote, bed surface then move forward.





RCYK 铠装自卸式永磁除铁器

RCYK ARMORED TYPE PERM-MAGNETIC SEPARATOR

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、铁磁性物质较杂、铁质比较尖锐的场合。

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

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, running 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

Equipment 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 Driving 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		1.5		1700*935*940	1150*735	760
RCYK-6.5	650	150	200		1.5		1750*985*940	1200*785	760
RCYK-8	800	200	250		2.2		1900*1140*960	1350*935	900
RCYK-10	1000	250	300		3.0		2140*1350*1010	1590*1135	1350
RCYK-12	1200	300	350		4.0		2340*1550*1060	1790*1335	1570
RCYK-14	1400	350	400		5.5		2540*1750*1060	1990*1535	1900
RCYK-16	1600	400	450		7.5		3040*1550*860	2190*1335	2320

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.



产品简介

Product Introduction

风选技术是以空气为分选媒介，利用空气动力学原理，使固体废弃物按密度和粒度大小进行分选。在变频可调的正压气流和负压气流的共同作用下，将物料中的轻小物质向上或水平方向进入沉降室，将轻物质与空气分离开来；重物质由于向上气流不能支持其重力而落入重物质出料输送机上。

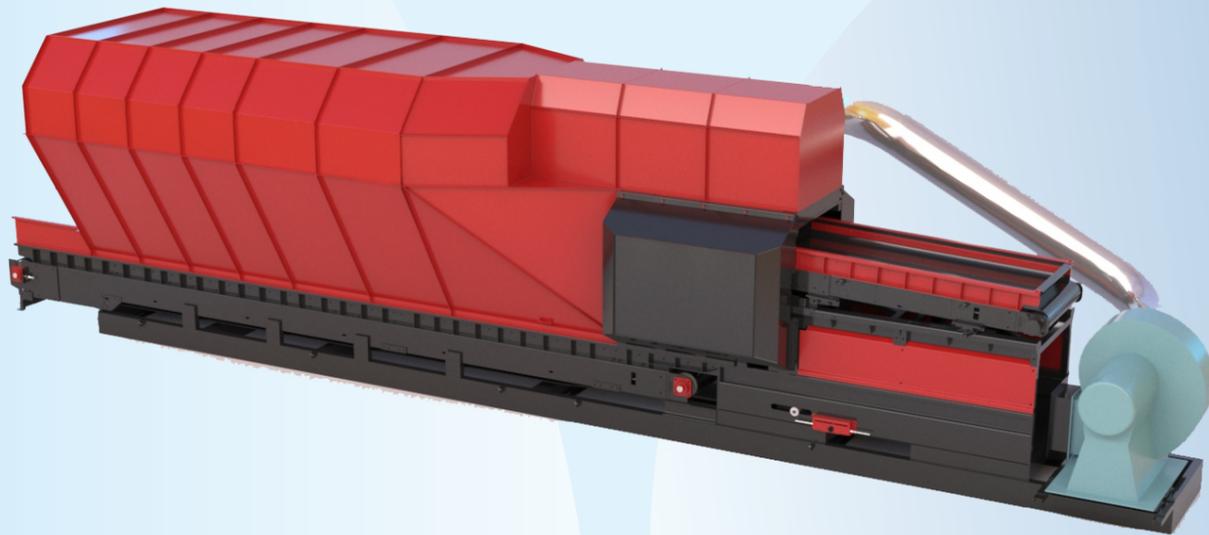
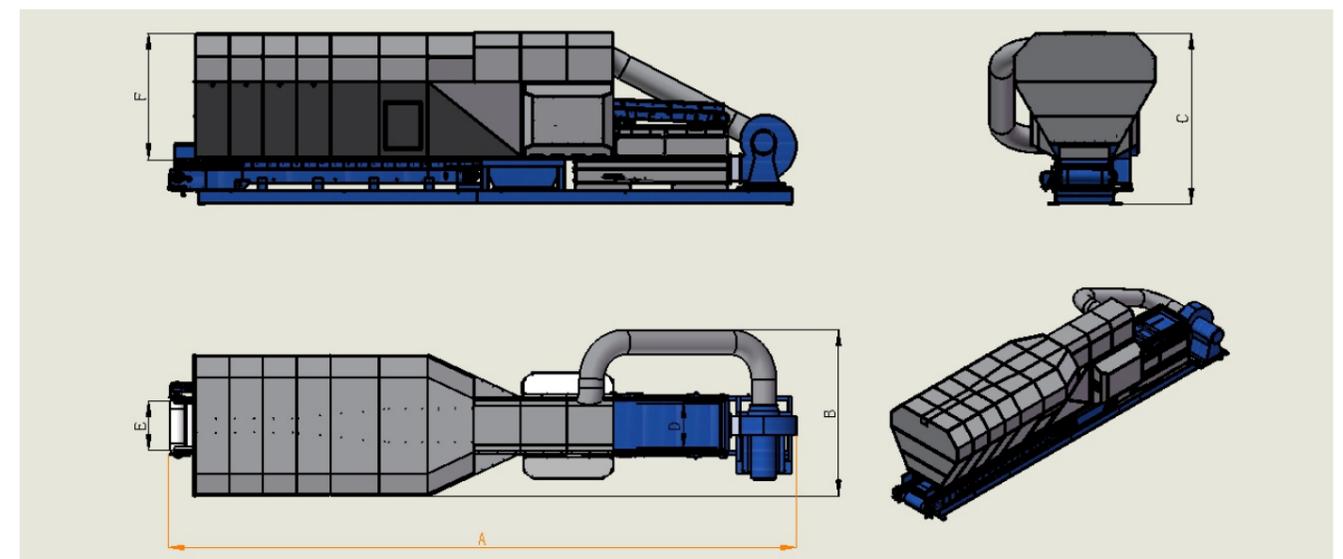
The air separation technology is based on the air as the sorting medium, using the principle of aerodynamics, the solid waste is sorted according to the density and particle size. Under the combined action of the positive pressure airflow and negative pressure airflow adjustable by frequency conversion, the light and small materials in the material will enter the settling chamber upward or horizontally to separate the light materials from the air. Heavy material falls into the heavy material discharge conveyor because the updraft cannot support its gravity.

产品规格

Equipment Parameters

设备型号 Type	主电机功率 Main Motor Power(kw)	总重量 Weight(t)	处理量 Processing(t/h)
TL-WSFX-800	30	4.9	10-20
TL-WSFX-1000	30	6.5	20-30
TL-WSFX-1200	37	8.2	30-40

设备型号 Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)
TL-WSFX-800	10000	2720	2620	800	2050
TL-WSFX-1000	11500	2920	3050	1000	2500
TL-WSFX-1200	13200	3120	3490	1200	2990



TLWFX 卧式风选机

TLWFX AIR SEPARATOR

适用于炉渣分选、装修垃圾、生活垃圾，陈腐垃圾、餐厨垃圾、大件垃圾等

Applicable to slag sorting, decoration garbage, household garbage, stale garbage, kitchen garbage, Bulky Waste, etc.



产品简介

Product Introduction

滚筒筛选机本体由机架上的滚轮支撑；滚筒内侧的筛网是分块拼装，用法兰和螺栓固定连接；减速电机通过滚轮传动来驱动滚筒。基座配有支撑转座、导向座、电机座，用以支撑主机机架；而且进料斗、出料斗和外罩连结在一体，结构坚固。外罩为了确保转动部分的安全和防止灰尘飞扬。通过滚筒旋转上升将不同大小的物料通过大小不同筛网孔，落入相应料斗内。

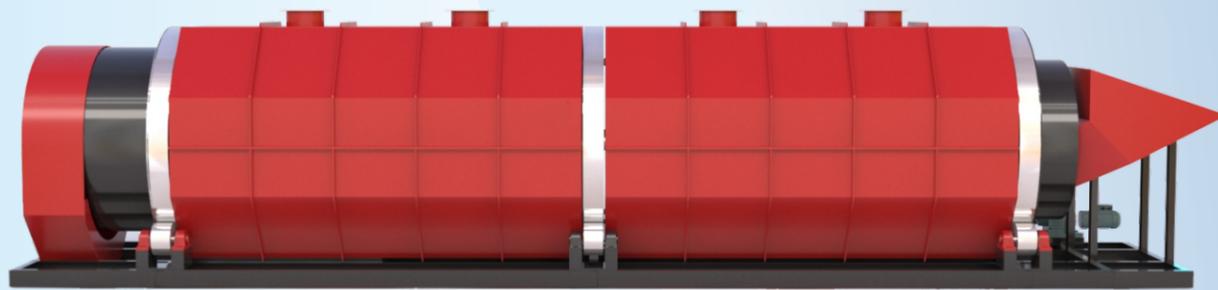
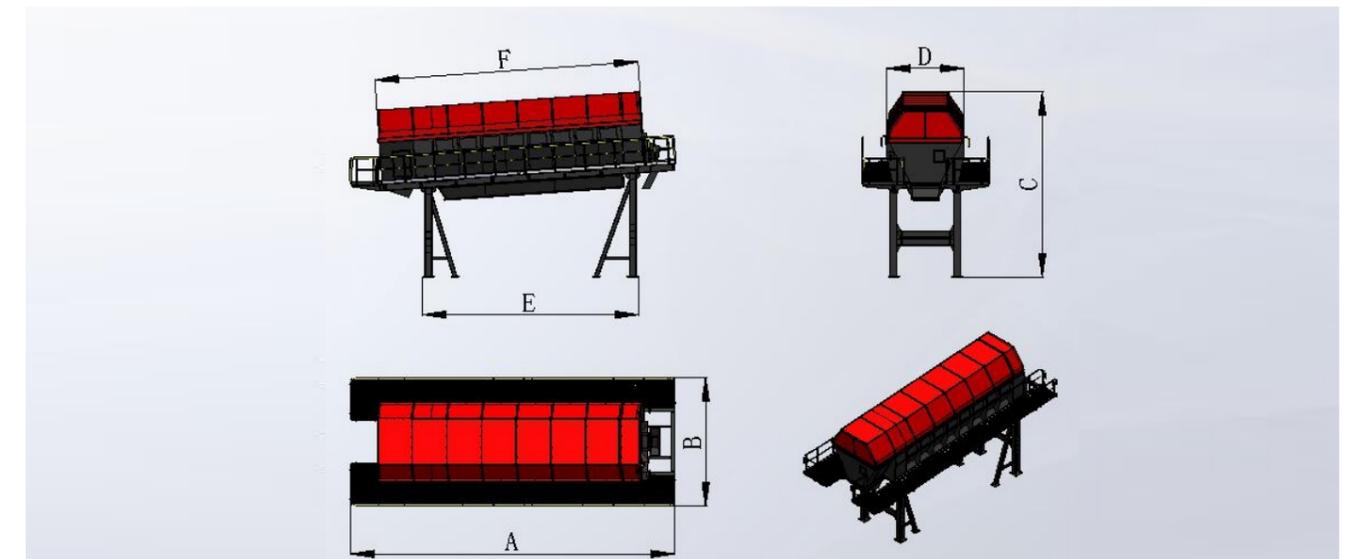
The roller sieve selection machine is supported by the roller on the rack. The screen on the inside of the drum is assembled in pieces and fixed with flanges and bolts. The reduction motor drives the drum through a roller drive. The base is equipped with supporting swivel seat, guide seat and motor seat to support the main frame; And into the hopper, hopper and casing connected in one, solid structure. The outer cover is to ensure the safety of the rotating parts and prevent dust from flying. The materials of different sizes fall into the corresponding hoppers through the screen holes of different sizes through the rotating drum.

产品规格

Equipment Parameters

设备型号 Type	主电机功率 Main Motor Power(kw)	筛网直径 Sieve Diameter(mm)	总重量 Weight(t)	处理量 Processing(t/h)
TLGTS-1804/1806	15	φ20, φ20-80, φ80 (可调) Adjustable	15.2	10-30
TLGTS-2508	18.5		23.5	25-50
TLGTS-3010	30		27.6	40-80

设备型号 Type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)
TLGTS-1804	10000	5200	5550	2690	5220	7350
TLGTS-1806	12000	5200	6450	2690	7220	9350
TLGTS-2508	14100	5500	7550	3350	9350	11400
TLGTS-3010	16100	6000	8200	3850	11350	13400



TLGTS 无轴滚筒筛

TLGTS DRUM SCREEN

适用于炉渣分选、装修垃圾、生活垃圾，陈腐垃圾等

Applicable to slag sorting, decoration garbage, household garbage, stale garbage, etc.



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.



TLCZ 弛张筛

TLCZ VIBRATORY SCRREENS

广泛应用于极难筛分的潮湿物料，如炉渣、废钢尾料、建筑砂石等行业

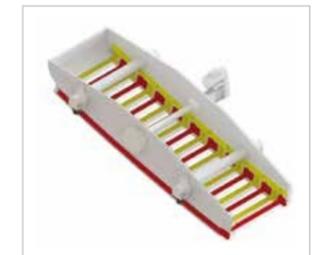
Widely used in extremely difficult to screen wet materials, such as asr material,slag, construction sand and stone industries.



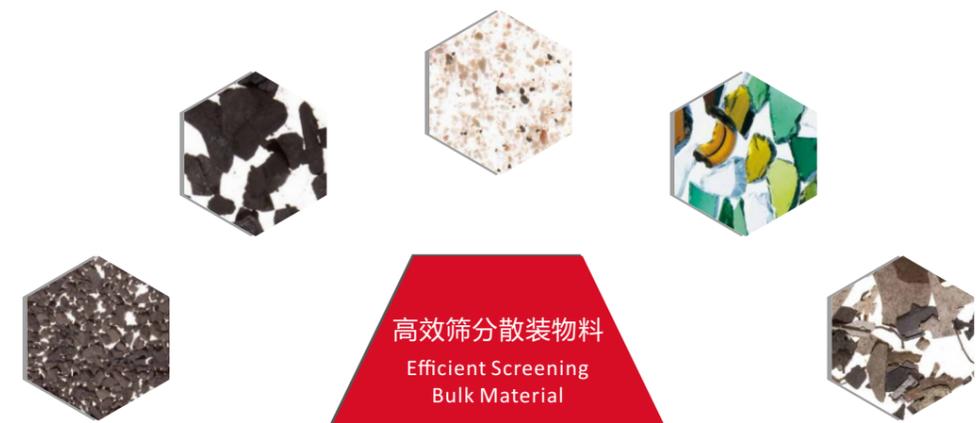
振动系统1 / Oscillating Mass 1



振动系统2 / Oscillating Mass 2



总系统 / Complete System





振动脱水筛

VIBRATING DEWATERING SCREEN

一款设计独特、处理量大、脱水充分的多频脱水筛。

A multi frequency dewatering screen with large capacity and full dehydration.

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.





产品简介

Product Introduction

天力磁电独特设计的跃进筛主要用于生产能力很大的场合，适用于中、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.

TLZX 直线筛

TLZX LINEAR SCREEN

产品简介

Product Introduction

直线筛是利用两台振动电机作为振动源，使物料在筛网上被抛起，同时向前作直线运动，物料从给料机均匀地进入筛分机的进料口，通过控制筛网孔径产生数种规格的筛上物、筛下物、分别从各自的出口排出。

Linear screen is the use of two vibration motor as the vibration source, so that the material is thrown on the screen, while making straight forward motion, the material from the feeder into the feed inlet of the screening machine evenly, through the control of the screen aperture to produce a number of specifications of the screen above and below, respectively from their exits.



TLYJ 跃进筛

TLYJ LEAPSCREEN

适用于中、细粒度物料干、湿式粒度的分级、脱水、脱介和脱泥作业。

Suitable for medium and fine grain material dry and wet particle size classification, dehydration, deintercalation and desliming operations.



多功能洗沙一体机

TLYJ LEAP SCREEN

产品优点 Product Advantages

- 每吨砂石生产成本仅为常规生产线的1/3—1/4；
- 生产自动化程度高，每班生产人员为3人以下；
- 一体化洗砂线维修简便，生产出的机制砂符合建筑砂标准，产品粒度均匀、粒形好，级配合理；
- 洗砂生产线自动化程度高，运行成本低，设备整体性好，内部水路设计合理，清洗、回收及反冲洗等功能稳定，成品品质好。
- The production cost per ton of sand and stone is only 1/3 to 1/4 of the conventional production line.
- High degree of production automation, less than 3 production personnel per shift.
- The integrated sand washing line is easy to maintain, and the mechanical sand produced conforms to the construction sand standard, with uniform particle size, good grain shape and reasonable gradation.
- Sand washing production line has high automation degree, low operating cost, good equipment integrity, reasonable internal waterway design, stable cleaning, recycling and backwashing functions, good quality of finished products.



跳汰机

WASHBOX

工作原理 Working Principle

- 矿粒在跳汰机中主要是按比重分层。跳汰机不仅可以分选窄级别的矿粒，而且也可以有效分选宽级别和不分级的矿粒。
- 在跳汰过程中，介质的比重越高，矿粒间的比重差越大，则分选效率越高。
- 在跳汰过程中尽量延长床层处于松散状态的时间，以提高跳汰机的处理量和改善分选效果。
- 在床层中适当加入一些高比重细矿粒，能够改善不分级矿的跳汰效果，但必须重新调整跳汰机，以便加强吸入作用。
- Ore in the jig is mainly stratified by specific gravity. The jig can not only separate narrow grades of ore, but also effectively separate wide grades and ungraded ore.



- In the jigging process, the higher the specific gravity of the medium, the greater the specific gravity difference between grains, the higher the separation efficiency.
- In the process of jigging, extend the time of bed in loose state as much as possible, so as to improve the handling capacity of jig and the sorting effect.
- The jigging effect of ungraded ore can be improved by the appropriate addition of some high density fine ore particles in the bed, but the jig must be readjusted to enhance the suction effect.

螺旋洗沙一体机

VIBRATING DEWATERING SCREEN

产品简介 Product Introduction

结构设置合理，采用尾矿干排筛配合螺旋洗砂机设置，形成整体结构，筛分和清洗结合在一起，易于生产加工，生产周期短，占地面积小，处理能力大，同时采用渣浆泵和旋流器连通在一起，形成水体的回流，节约水体消耗，能够更好的进行筛分和清洗，促进筛洗行业的发展。



Suitable for short distance transportation from storage bin to crusher, shaker, batching and other mechanical equipment. Uniform feeding, no manual operation, with its own pulling function, board chain feeder has greater adaptability to the material, not limited by the size of the material, specific gravity.

厢式压滤机

LARGE INCLINATION BELT CONVEYOR

Large Angle belt conveyor can be large Angle transmission, with a large amount of conveyor, small area, simple maintenance and other characteristics, widely used.

产品简介 Product Introduction

厢式压滤机是利用滤布两边的压力差，迫使物料中的绝大部分水分透过滤布，流出机体外，而物料被阻隔在滤室内形成滤饼，以达到过滤的目的。由于在过滤过程中滤布两边存在着较大的压力差，提高了过滤速度降低了滤饼的含水，且采用特制滤布，使得滤液澄清，过滤效果比真空过滤机要理想的多。





TLDSC 双轴破碎机

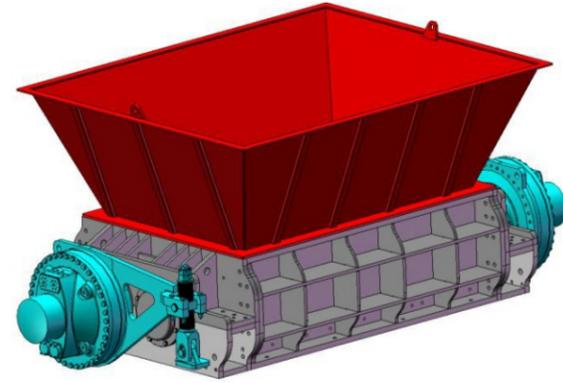
TLDSC DOUBLE SHAFT SHREDDER

产品简介

Product Introduction

双轴破碎机的两个刀轴分别以不同的速度做相向旋转运动，在轴上安装了特殊形状的刀具；物料由进料口投入到破碎机的刀轴上，被相向运动的刀片剪切、撕裂和挤压而达到减小物料尺寸的目的。由于采用低转轴破碎的方式，所以破碎过程无粉尘，低噪音，无震动，而且通过量大，破碎效率高。

The two shafts of the shredder rotate in opposite directions at different speeds respectively. The material is put into the shredder by the feed port, which is cut, torn and squeezed by the moving blades to reduce the size of the material. Due to the way of blade rotating shredding, there is no dust, low noise, no vibration during the process, and with the feature of high capacity, high shredding efficiency.



生活垃圾，装修垃圾、大件垃圾、工业垃圾、电子垃圾等。
适用范围广；产量大,高效节能；噪音小，工作环境好。

处理能力：5~50t/h 刀盘宽度：800~2000mm
功率：22~220kw

Household waste, decoration waste, bulk waste, industrial waste, electronic waste, etc.

Wide range of application; Low noise, good working environment; High output, high efficiency and energy saving.

Capacity:5-50T/H Blade width:800-2000mm Power:22-220kw

TLBL 板链给料机

TLBL CHAIN CONVEYOR

产品简介

Product Introduction

适用于从储料仓到破碎机、振动筛、配料等机械设备的短距离输送。进料均匀，无需人工操作，自带拔料功能，板链式给料机对物料有较大的适应性，不受物料的粒度、比重大小限制。

Suitable for short distance transportation from storage bin to crusher, shaker, batching and other mechanical equipment. Uniform feeding, no manual operation, with its own pulling function, board chain feeder has greater adaptability to the material, not limited by the size of the material, specific gravity.



板链给料机

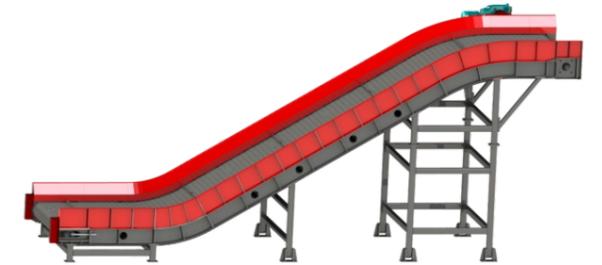
CHAIN CONVEYOR

产品简介

Product Introduction

板链给料机是关键的输送设备，具有物料接受及暂存功能，能根据后续处理设备能力调整输送量和输送时间。

Chain conveyor is the key conveying equipment, it has the function of material acceptance and temporary storage, can adjust the throughput and delivery time according to the capacity of subsequent processing equipment.



适用范围广；扭矩大，高效节能；噪音小，耐久性强。

处理能力：按设计要求 功率：按设计要求

Wide application range; High torque, high-efficiency; Low noise, Strong durability.

Processing capacity: according to design requirements.

Power: according to design requirements.

皮带输送机

BELT CONVEYOR

产品简介

Product Introduction

皮带输送机是最常规的输送设备，可以用于水平运输或大倾斜运输，使用非常方便，易于实现自动化和集中化控制。

Belt Conveyor is the most conventional transport equipment, can be used for horizontal transport or large tilt transport, very convenient to use, easy to achieve automation and centralized control.

适用范围广；产量大，高效节能；运行可靠，耐久性强。

Wide application range; Reliable operation, strong durability; Large output, high efficiency and energy saving.



处理能力：按设计要求

功率：按设计要求

Processing capacity: according to design requirements.

Power: according to design requirements.



炉渣湿法分选现场案例

WET TYPE OF SLAG PROJECT SITE CASE



炉渣湿法分选现场案例

WET TYPE OF SLAG PROJECT SITE CASE





炉渣干法分选现场案例

DRY TYPE OF SLAG PROJECT SITE CASE



国外炉渣分选现场案例

CASE OF SLAG SEPARATION ABROAD





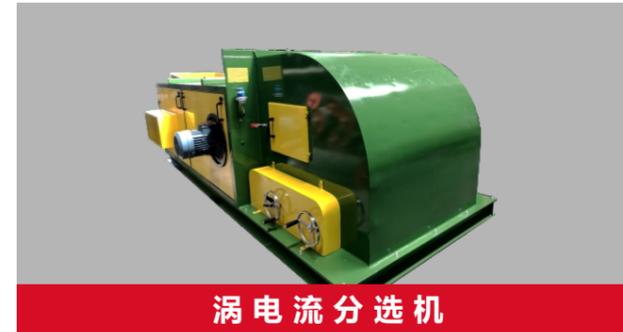
炉渣细颗粒分选现场案例

FINE SLAG SORTING SITE CASE

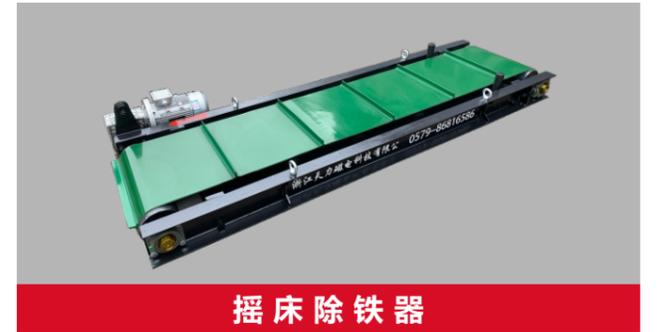


炉渣湿法分选相关单机设备

SLAG WET SEPARATION SERIES MACHINE EQUIPMENT



涡电流分选机



摇床除铁器



滚筒筛



滚筒筛



电磁自卸式除铁器



湿式永磁筒式磁选机



轻物质浮选机



脱水筛



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