

TianLi 全国服务热线
400-1122-958
15988580888

最具吸引力的磁电、
固废分选设备供应商！

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

地址 (Add) : 浙江省东阳市书院路11号
NO.11 SHUYUAN ROAD, DONGYANG CITY, ZHEJIANG PRO, CHINA
电话 (Tel) : 0579-86816586 400-1122-958
传真 (Fax) : 0579-86816587 0579-86817958
邮箱 (Email) : tl@tianlimagnet.com
网址 (Web) : www.dyldcsb.com www.tlmtech.cn

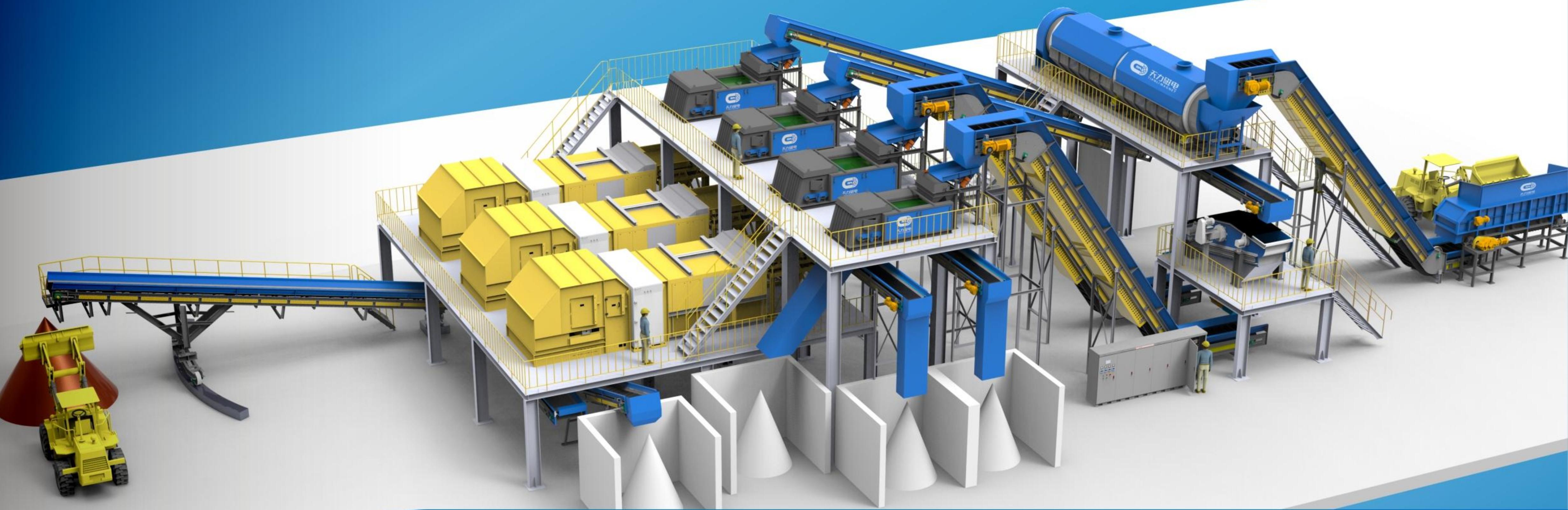


关注公众号
了解更多资讯



天力磁电 · 废铝行业

TIANLI MAGNET SCRAP ALUMINUM INDUSTRY



TianLi

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

TABLE OF CONTENTS 目录

01 30TPH废铝分选系统方案
30TPH ALUMINUM SCRAP SORTING PLANT

03 30TPH废铝模块化分选系统方案
30TPH ALUMINIUM SCRAP MODULAR SORTING PROJECT

05 15TPH Zorba 分选系统方案
15TPH ZORBA SORING PROJECT

07 TLFXP 偏心涡电流分选机
TLFXP ECCENTRIC EDDY CURRENT SEPARATOR

09 TLXGS X光分选机
TLXGS X RAY SORTER

11 TLPG 抛光机
POLISHING DRUM MAGNET

12 TLGTS 滚筒筛
TLGTS DRUM SCREEN

13 TLCZ 弛张筛
TLCZ VIBRATORY SCRREENS

14 TLSXG (D) 上吸式磁滚筒
TLSXG(D) MAGNETIC DRUM

15 TLRCT 上部进料磁滚筒
TLRCT UPPER FEED MAGNETIC DRUM

16 TLBL 链板式给料机
TLBL BOARD CHAIN FEEDER

17 客户案例现场
SCENE OF THE CASE

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。

COMPANY PROFILE



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。

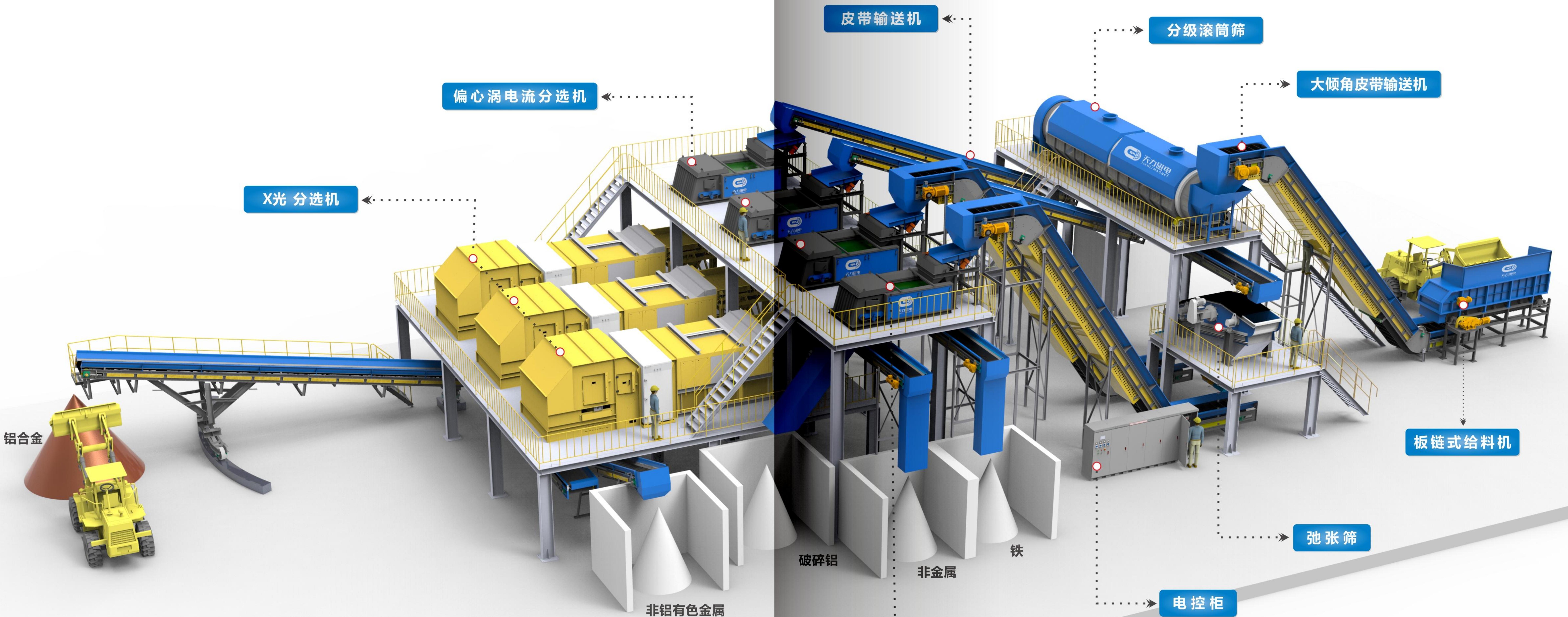
公司拥有自营进出口权，产品遍布全国各地并出口三十多个国家的地区，凭借良好的企业资质、先进的生产技术、过硬的产品质量、合理的价格、完善的售后服务，与广大客户真诚合作、开拓进取、共图发展，向世界一流的企业迈进，公司全体员工热情欢迎国内外新老客户光临指导。

Zhejiang Tianli 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.

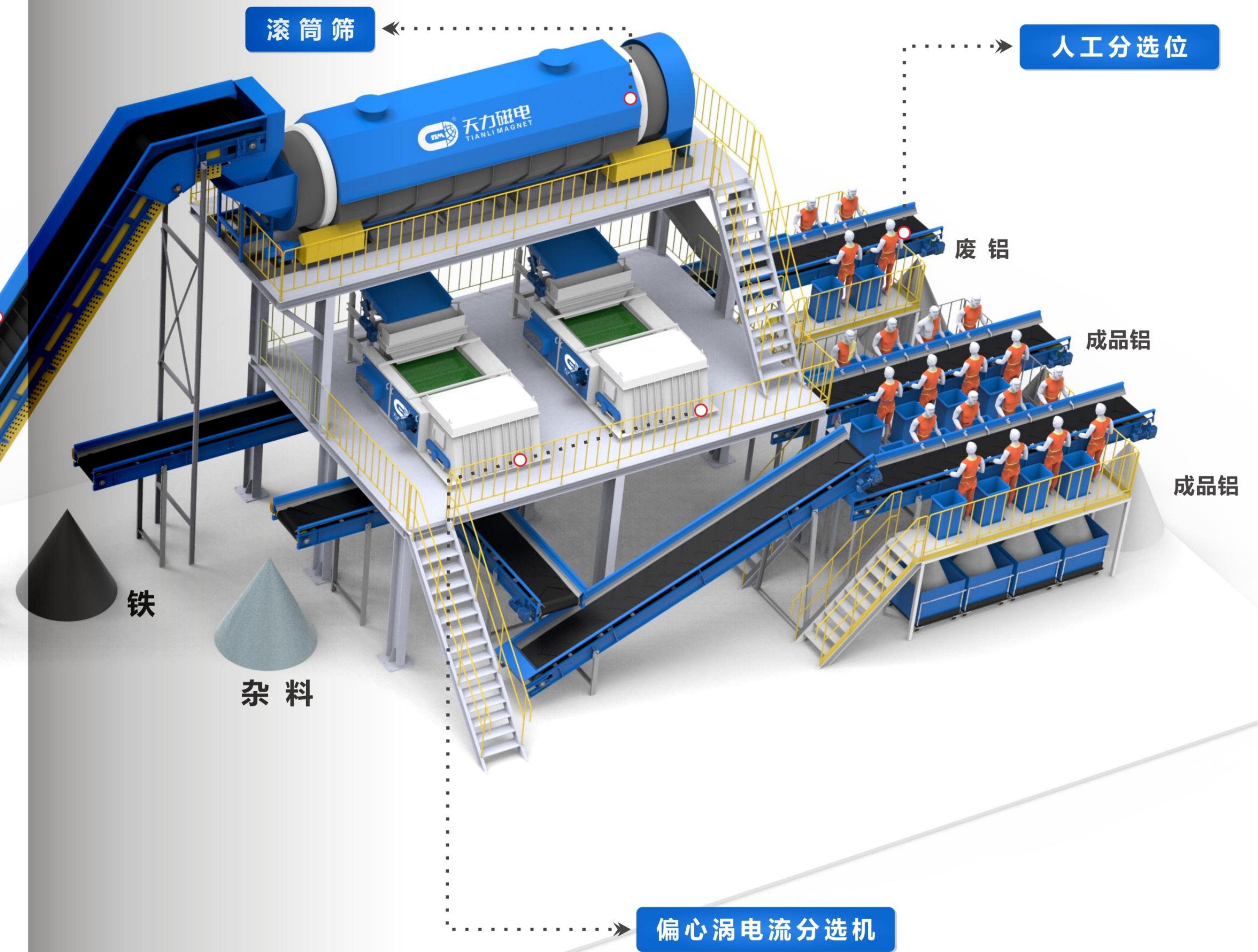
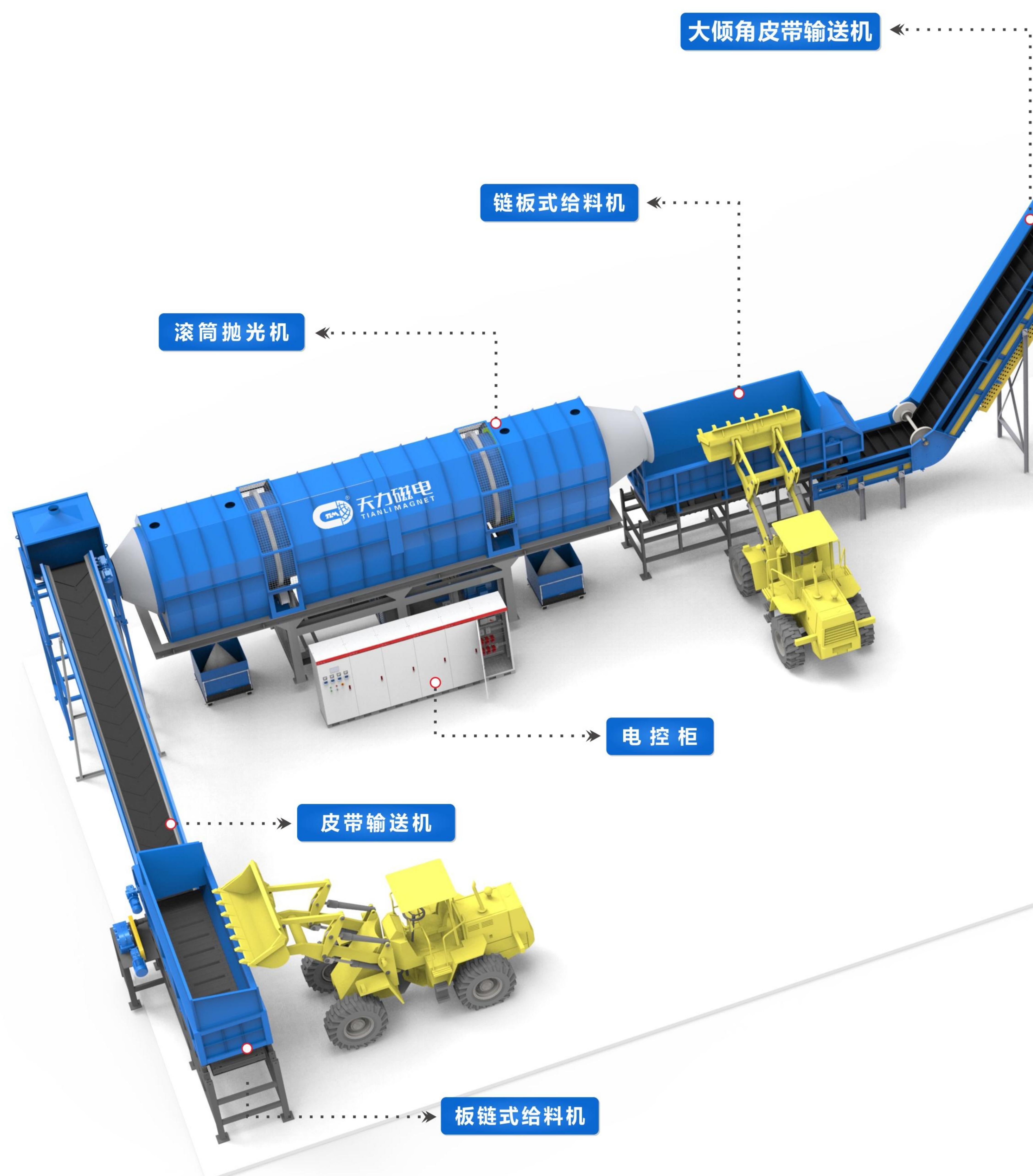
Tianli company attaches great importance to brand promotion and participates in conferences and exhibitions of various industries at home and abroad every year, including Shanghai, Guangzhou, Germany, America, Australia, Singapore, South Korea, etc. We always keep close communication with customers, 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!



> **30TPH 废铝分选系统方案**
30TPH ALUMINUM SCRAP SORTING PLANT
>>>>>>>>>>>>>>>>





15 TPH Zorba分选系统方案



TLFXP 偏心涡电流 分选机

TLFX ECCENTRIC EDDY
CURRENT SEPARATOR



T/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.

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.

T/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；
- 废旧玻璃回收；
- 废旧金属回收；
- 造纸厂尾渣；
- 木屑；
- 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.

T/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(mm) Feed Length(mm)	给料颗粒 Feed Size	处理能力(m ³ /h) Capacity(m ³ /h)			重量(kg) Weight(kg)	长度(mm) Length(mm)	宽度(mm) Width(mm)
TLFX(P)-5	300			6	5.9	730		1123	
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	4600	1823	1200
TLFX(P)-12	1000	1500	≥1mm ²	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	2823	
TLFX(P)-22	2000			55	13	4500	5000	3023	

TLXGS X光选机

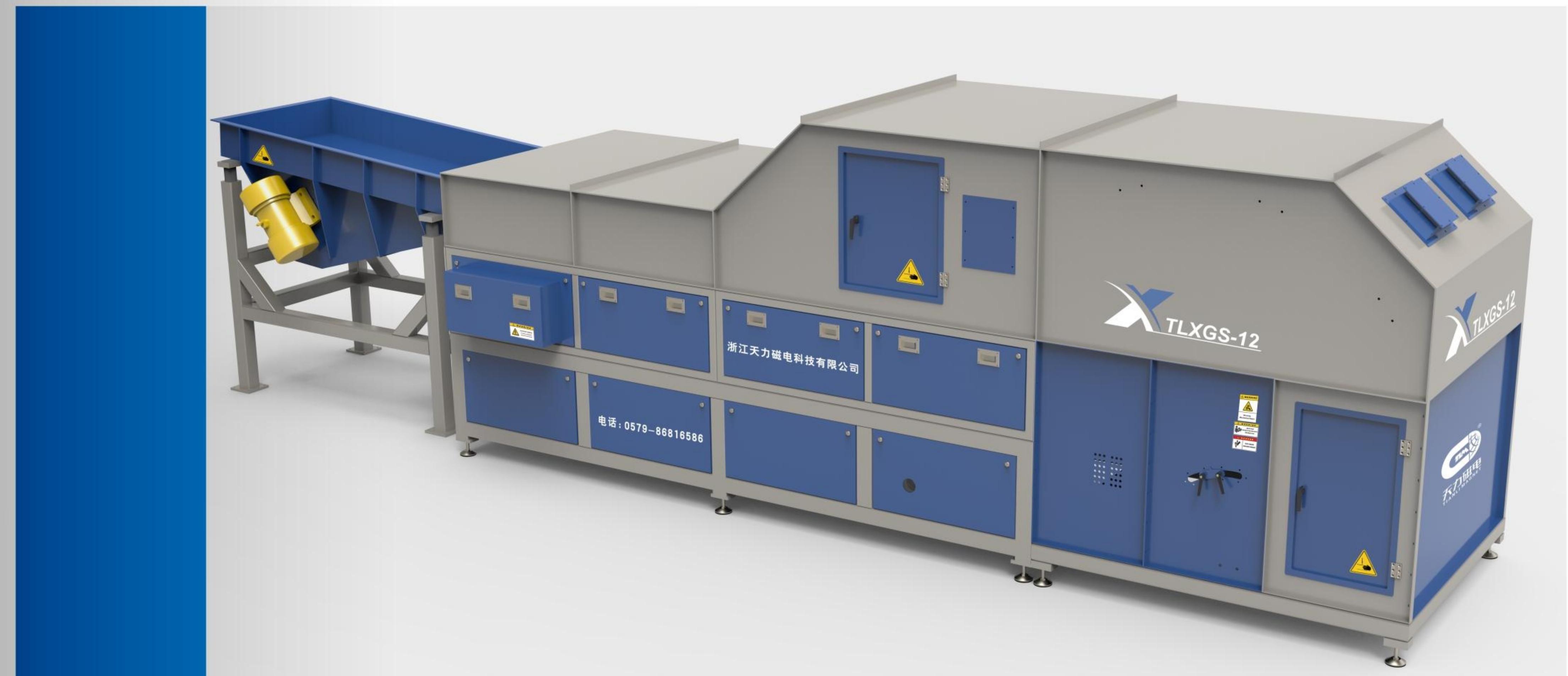
TLXGS X RAY SORTER

T/产品优势 Product Advantage

- 系统识别具有自学功能，能不断累积物料特征性样本；
- 坚固耐用，分选精确。
- System identification with self-learning function to accumulate material characteristic samples continuously.
- Rugged and accurate sorting.

T/应用范围 Application Scope

- 报废汽车破碎回收铝（铝切片）Zorba分选：将铝切片中的铝合金与重金属如铜、锌、铅以及镁合金分离；或者将铝合金中的生铝和熟铝分开。
- 报废汽车塑料分选：去除汽车塑料碎片中的氯化和溴化阻燃塑料。
- 再生铝原料精选：通过降低再生铝原料中的Zn、Cu、及Fe的含量，提升原料品质和价值。
- Zorba sorting of end-of-life car crushing and recycling aluminum (aluminum slices): separating aluminum slices from aluminum alloys from heavy metals such as copper, zinc, lead and magnesium alloys; or separating The Zorba sorting separates the raw aluminum from the cooked aluminum in the aluminum alloy.
- End-of-life automotive plastic sorting: Removal of chlorinated and brominated flame retardant plastics from automotive plastic debris.
- Reclaimed aluminum raw material selection: By reducing the Zn, Cu, and Fe in the reclaimed aluminum raw material content to improve the quality and value of raw materials.



X光分选机采用新一代X射线传输技术，该技术采用高双能金属分离和低单能塑料分离；不管厚度如何，双能感应器可以识别不同的金属物料；主要用于从混合金属中分选重金属和轻金属，通常安装在涡电流分选机后端，来回收ECS尾料中反应弱的有色金属。X RAY SORTER uses a new generation of X-ray transmission technology which uses high dual-energy metal separation and low-mono-energy plastic separation. Regardless of thickness, the The dual-energy sensor can identify different metal materials; it is mainly used to separate heavyand light metals from mixed metals and is usually installed at the back end of an eddy current It is usually installed at the back end of an eddy current separator to recover weakly reacting non-ferrous metals from the ECS tailings.

T/工作原理 Working Principle

X光分选机是种带式分选机，物料经由输送带运送，在输送带上方的X射线发射器（源）与下方的一组LDA双能接收器之间通过，此时，确定经过的每块物料的波长吸收程度，测量出其物质的原子序数；控制单元在接收到测量信号后进行分析和筛选，触发固定在皮带头轮前端导杆上的喷气阀。X-ray sorter is a kind of belt sorting machine, the material is transported through the conveyor belt, passing between the X-ray emitter (source) above the conveyor belt and a set of LDA dual-energy receivers below, at this time, determine the wavelength absorption degree of each piece of material passing through, and measure the atomic number of its substance; the control unit receives the measurement signal for analysis and screening, and triggers a jet valve fixed on the The control unit analyzes and screens after receiving the measurement signal, triggering the jet valve fixed on the guide bar at the front of the belt head pulley.

TLPG
抛光机

POLISHING DRUM MAGNET



T/产品介绍 Product Introduction

原理:

利用滚筒旋转起来的摔打力与物料之间互相摩擦力，达到磨掉物料表面氧化层的目的，使物料表面呈现光亮成色。

Use the drum to rotate up the force of wrestling and friction between the materials to achieve the purpose of grinding off the material surface oxidation layer, so that the surface of the material shows a bright color.

配套:

一般需要在扬尘点设计安装尘罩并匹配除尘系统，根据实际情况计算管道、除尘面积等。

Generally, we need to design and install dust hoods and match the dust removal system at the point of dust emission, and calculate the ducting and dust removal area according to the actual situation.



TLGTS 滚筒筛

TLGTS DRUM SCREEN

T/产品参数 Equipment Parameters

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

T/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.

TLCZ 弛张筛

TLCZ VIBRATORY SCRREENS

T/产品简介 Product Introduction

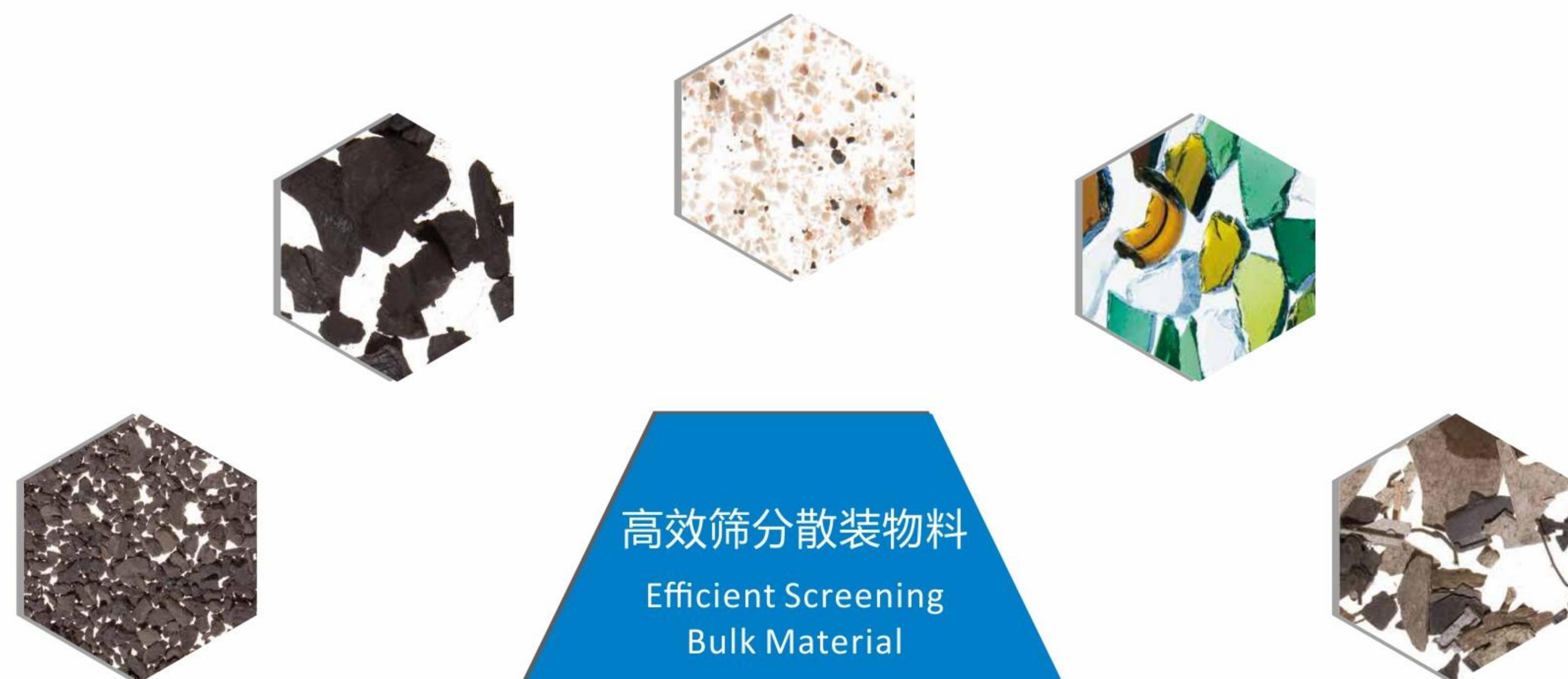
主要用于极难筛分的物料，如：湿度大、片状、粘稠物料等容易堵塞筛孔的物料进行筛分，通过电机带动激振器的震动，使得柔性聚氨酯筛板产生“弛-张”的效果，促使这些极难筛分的物料获得一个极大的加速度而被从筛板上弹起，从而在保证高效筛分的同时，确保筛孔不被堵塞。

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.

T/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.



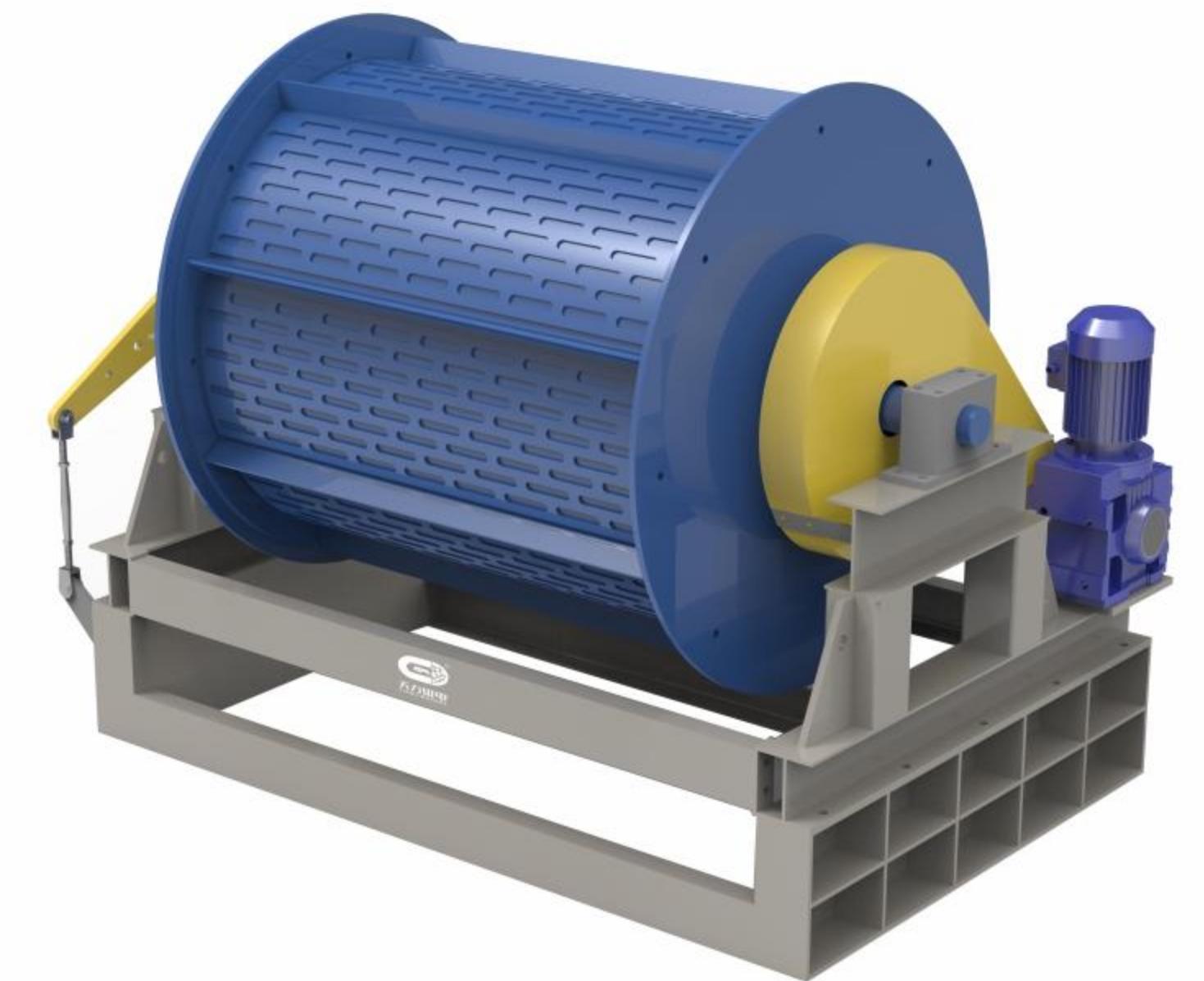
高效筛分散装物料
Efficient Screening Bulk Material

TLSXG(D) 上吸式磁滚筒

TLSXG(D) MAGNETIC DRUM

T/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。
- 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.



T/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.

T/产品参数 Equipment 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 Excitaiton 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

TLRCT 上部进料磁滚筒

TLRCT UPPER FEED MAGNETIC DRUM

T/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1000-8000Gs可选，吸铁能力大，分选效果好。

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 1000-8000Gs can be selected.



T/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；
- 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.

T/产品参数 Equipment 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			1.1	0.4
TLRCT-32/60	600				0.4
TLRCT-32/80	800				0.8
TLRCT-32/100	1000	Φ320	1800-8000	1.5	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.

TLBL 链板式给料机

TLBL BOARD CHAIN FEEDER

T/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.



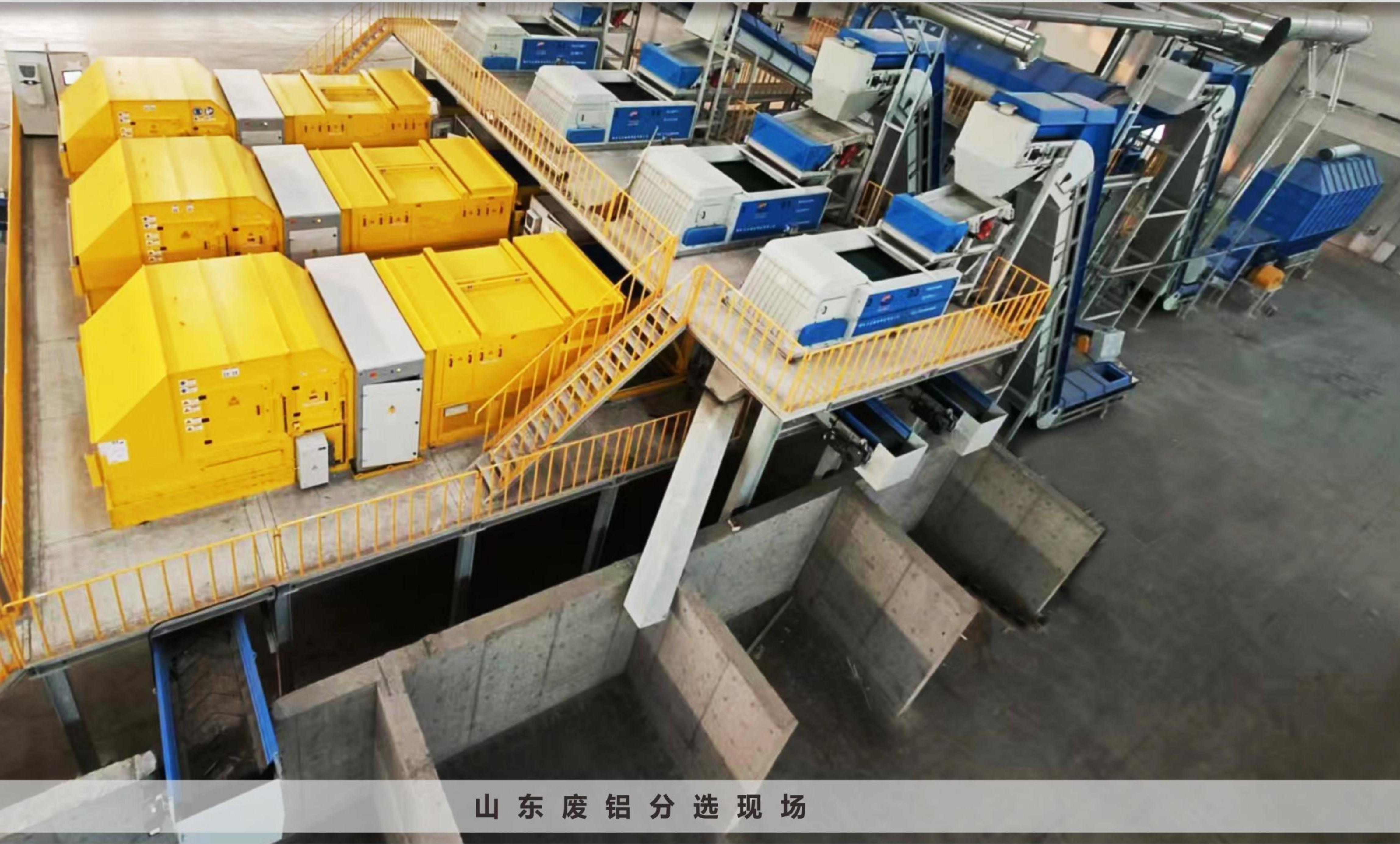
天力科技让资源再生!
TianLi-Technology Regenerates Resources

17/18



香港废铝分选现场

售后服务承诺



及时提供合同相关设备的安装调试，全面配合验收。

Timely provide the installation and debugging of contract related equipment, and fully cooperate with the acceptance.



实施“一对营销”，全面建立客户档案，服务结果请客户签字确认后存档。

Implement “one-to-one marketing” and build up comprehensively Customer files, service results please sign for confirmation after archiving.



随时解决顾客反馈的问题，有关产品质量投诉保证派出最佳人员赴现场。

Solve customer feedback problems at any time, and guarantee to send the best personnel to the site for product quality complaints.

固废整体解决方案提供商！

感谢您对天力磁电的信任与厚爱

THANK YOU FOR YOUR TRUST AND LOVE
TO TIANLI MAGNET

全国统一服务电话
400-1122-958