TAIHO泰禾

主板A股代码：603656
Stock code: 603656

BELT-TYPE COLOR SORTER

履带色选机

AI智选·数字分选技术开创者
AI Sort · Global Intelligent Manufacturer

INTELLIGENT SELECTION

Extraordinary and excellence makes surpassing!

智选

不凡、因卓越，而超越！

改变·一切可能！
工业设计的智慧之路

Change, everything is possible.
The wise road of industrial design

TECHNICAL FEATURES OF PRODUCTS /

产品技术特点

全新履带3.0

New belt 3.0

远距离识别 / Remote recognition

远距离分选系统，有效降低灰尘杂物，识别更清晰；

Long-distance recognition: The long-distance sorting system can effectively reduce the influence of the dust and debris ,make the identification more clearly;

全新工业机械结构：工业机械结构3.0，体积小巧，防水耐用；304不锈钢结构，拉丝工艺，整体亮洁美观。

防破损系统 / Anti-breakage system

防破损3.0，有效降低物料破损；

Anti-breakage system 3.0, effectively reducing the material damage;

ALL new industrial machinery design structur: Industrial machinery structure system 3.0, smaller size, waterproof and durable;With 304 stainless steel structure, Brushed metal, overall bright and clean.

智选识别

Intelligent recognition

全息闪视相机 / Holographic flash camera

3.5亿像素+环曲自修复镜头，物料识别精度更高；

350 million pixels + ring self-repairing lens, material identification accuracy is higher;

AI智芯处理平台/ AI processing platform

搭载SOC智芯，融合AI深度学习算法，速度快更智能。

Equipped with SOC smart core, integrated AI deep learning algorithm, faster and smarter.

质慧剔除

Wisdom sorting

剔除系统 / Separation system

高端定制电磁阀搭载中心定位算法，剔除精准；

High-end custom ejector equipped with a central positioning algorithm ,make higherSeparation accuracy;

分选系统/ Sorting system

长距离输送设置，输送轨迹稳定，分布更均匀，色选效果更优。

With long-distance conveying, make the conveying trajectory more stable , material evenly distributed and better sorting accuracy.

产量卓著

Outstanding output

全覆盖清灰系统/ Full coverage dust cleaning system

无杆气缸，韧性强不变形，清灰更顺畅；

Stronger rodless cylinder, no deformation, make the cleaning more smooth ;

均匀给料系统/ Uniform feeding system

高频振动系统，给料分布均匀、无堆叠。

High-frequency vibration system, uniform feeding distribution, no stacking.

全智能互联

Full intelligent interconnection

致简UI/ Simple UI

极简界面，调试简单，操作便捷；

Minimalist interface, simple debugging, and easy operation;

智能分选/ Intelligent sorting

智能分选+可视化操作，使用更简单。

Intelligent sorting + visual operation, easier to use.

智能联动控制系统/ Intelligent linkage control system

全球智能互联，色选方案实时共享；

Global intelligent interconnection, real-time sharing of sorting program;

一体化快速履带机

Integrated fast belt-type sorter

6SXL-1200KD2Y

6SXL-1200KS2Y

应用范围 / Application scope

脱水蔬菜、塑料片、废旧玻璃、中药饮片、干辣椒、蒜瓣、虾皮、杂粮类等；形态大小均匀及非圆颗粒类物料。

Dehydrated vegetables, plastic tablets, used glass, Chinese herbal medicine pieces, dried chili, garlic cloves, dried shrimps, miscellaneous grains, etc.; uniform size and non-round granular materials.

主要特点 / Main features

- 远距离分选系统，有效降尘、降杂，提升识别精度，分选更清晰；
- 独创双振动变换设计，行业领先的传动装置，供料通顺，稳定可靠；
- 特制防水、抗粘性材料，更大程度适用粘连性物料、恶劣复杂环境；
- 特制工业喷阀结构，独有吹气方式，提高轻质、重质物料选净率。

- Long-distance sorting system ,make the reducing of the dust and impurities more efficient, highly improve the identification accuracy, clearly sorting;
- Original dual vibration conversion design, industry-leading transmission device, provide smooth, stable and reliable feeding;
- Special waterproof and anti-adhesive materials, more suitable for adhesive materials,harsh and complex sorting environments;
- Special design industrial ejector valve structure, unique air blowing method, highly improve the sorting rate of the light and heavy materials.

主要特点 / Main features

- 双层设计，上层分选，下层复选，优化带出，大幅提升色选精度；
- 双层履带完美契合复选算法，实现成品、废品任意互换，带出更优；
- 独创工业化设计，实现结构更优，占地更小等优势。

- Double-layer design, upper-layer first sorting, lower-layer for re-selection, optimized the carry-out, and greatly improved color selection accuracy;
- The double-layer perfectly fits the selection algorithm, and make the easy exchange of accept products and rejected products, which makes better performance;
- Innovative industrial design, achieving better structure and smallerLand occupation.

一体化慢速履带机

Integrated slow belt-type sorter

6SXL-1200MD2Q

6SXL-1200MS2Q

应用范围 / Application scope

花生米、黄豆、莲子、松子、夏威夷果、石英砂、矿石、中草药、废旧金属、塑料瓶片、盐水瓶片等圆形颗粒物料、形态大小不规则及分选环境粉尘较多的物料。

Peanuts, soybeans, lotus seeds, pine nuts, macadamia nuts, plastic bottle flakes, quartz sand, ore, Chinese herbal medicine, scrap metal, salt water bottle tablets, etc.; round granular materials, irregular shape and sorting environment, more dusty materials .

主要特点 / Main features

- 针对性解决滚动类物料跳料问题，物料运动更平稳；
- 独创慢速平抛系统，物料分布更均匀，平抛更统一；
- 软材料2.0，有效解决物料破损问题；
- 远程控制，实时交互，查看选料，智能可视。

- Solve the problem of material rolling and jumping on the belt , make the material movement more stable on belt;
- The original slow flat throwing system make a more material distribution and uniform.
- Soft protecting material 2.0, protect the material from damage more effectively;
- Remote control, real-time interaction, material selection, intelligent visualization.

主要特点 / Main characteristics

- 双层设计，上层分选，下层复选，优化带出，大幅提升色选精度；
- 双层履带完美契合复选算法，实现成品、废品任意互换，带出更优；
- 独创工业化设计，实现结构更优，占地更小等优势。

- Double-layer design, upper-layer first sorting, lower-layer for re-selection, optimized the carry-out, and greatly improved color selection accuracy;
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双层四视叠加履带机

Double-layer four-view belt-type sorter

6SXL-1200KS4J（四视）

应用范围 / Application scope

腰果类等凹形物料专用机型。

concave materials such as cashews.

主要特点 / Main features

- 非规则类结构的物料专用机型，360°全方位多视角立体识别，选净好，效率高；
- 类腰果内凹形状，脱皮不净等特征物料专用，高清识别颜色、形状，提高成品质量；
- 特制工业喷阀结构，独有吹气方式，提升选净率；
- 行业领先的长焦距相机，有效避免灰尘，分选效果更佳。

- A special model for irregular material, 360 ° all-round multi-view stereo recognition,provider a better selection and higher efficiency;;
- Special for material like Cashew with concave shape, and peeling and uncleanness use. The color and shape can be identified in high definition to improve the quality of finished products;
- Special industrial ejector structure, unique air blowing method make the higher cleaning rate;
- Industry-leading long focus lens camera, highly dust-proof and better sorting accuracy.

一体化单层四视红外履带机

Integrated single-layer four-view infrared belt-type sorter

6SXL-1200MD2QH4 V

应用范围 / Application scope

核桃、坚果壳仁类恶杂、异物分选专用机型。

Walnut, nut shell kernels, miscellaneous, foreign matter sorting models.

主要特点 / Main features

- 坚果类壳仁类、恶杂异物类分选专用机型；
- 独创四红外光学识别结构，多视角，无死角，色选精度更高；
- 定制化服务，满足各个客户对产量的要求；
- 独具多视角光路设计，实现物料高清在线反馈；
- 智能清灰，单缸单刷，边清灰边下料，高效高产。
- Special design machine for sorting nuts, shells, and foreign materials;
- Original design four-infrared optical recognition structure, with multi-view angle, no dead angle, and higher color selection accuracy;
- Customized services to meet the different ouput requirements of each customer;
- Unique multi-view optical path design, make a high-definition materials Real-time feedback;
- Intelligent dust cleaning system, single-cylinder with single-brushing, Non-stop cleaning,make a higher output and better efficiencyy

AI智选履带机

◀ 6SXL-1200KD2YIII

应用范围 / Application scope

虾仁、小鱼干等水产物料专用机型。

Special machine for aquatic products such as shrimp and dried small fish.

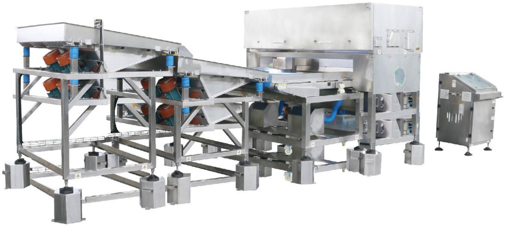
技术优势 / Technical advantages

- **AI自识别**：在深入研究目标的颜色、形状等特性的基础上，优化设计了信号样式和成像光路；采用匹配的智能图像传感器，最大程度突出目标的特征差异。
- **AI自学习**：当遇到不同类型、不同品质、不同批次的原料时，系统可在一定范围内自学习调整识别参数，并可以根据含杂的多少，灵活切换分选方案。
- **AI自执行**：根据被执行对象的位置和形状信息，智能控制相应位置的多个空气喷阀开合时间，有效解决形状特殊、受力面小的不规则物料难以喷吹的问题，实现精准分选。

- **AI self-recognition**: On the basis of in-depth study of the color, shape and other characteristics of the target, the signal pattern and imaging optical path are optimized and designed; the matching intelligent image sensor is used to highlight the characteristic difference of the target to the greatest extent.
- **AI self-learning**: When encountering raw materials of different types, different qualities and different batches, the system can self-learn and adjust the identification parameters within a certain range, and can flexibly switch the sorting scheme according to the amount of impurities.
- **AI self-execution**: According to the position and shape information of the executed object, intelligently control the opening and closing times of multiple air jet valves at the corresponding positions, effectively solving the problem that irregular materials with special shapes and small force-bearing surfaces are difficult to spray, and achieve accurate separation select.

AI sort belt-type sorter

智选



◀ 6SXL-1800T

应用范围 / Application scope

豆角、豌豆等蔬菜物料专用机型.

Special machine for vegetable materials such as beans and peas.

人工智能图像识别 Artificial intelligence image recognition

光电信号处理、分析
Optical signal processing and analysis

几何矫正辐射矫正、图像拼接数据配准、脉冲压缩

Geometry Correction Radiation Correction, Image Stitching Data Registration, Pulse Compression

建模,特征抽取与浅层次学习
Modeling, Feature Extraction and Shallow-Level Learning

目标特征矢量模型、分类存储匹配识别

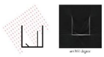
Target feature vector model, classification storage matching recognition

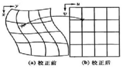
基于深度神经网络的学习与训练
Learning and training based on deep neural network

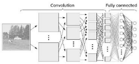
专用图像集、大规模GPU集群训练

Dedicated image sets, large-scale GPU cluster training

▶ 与人类视觉认知方式相同的智能化特征提取 Intelligent feature extraction in the same way as human visual cognition







PARAMETER SHEET / 规格参数表

产品系列 Product series		产品型号 Product model	外形尺寸（L*W*H） External dimensions （mm）	机器重量 Weight (kg)	传送带速度 Conveyor speed (m/s)	频率 Frequency(Hz)	电源输入 Power input(V)	整机功率 Total power (kw)	气源消耗 Air Source consumption (m³/min)	气源压力 Air pressure (Mpa)	产量 output (kg/h)	色选精度 Sorting accurancy ratio (%)
慢速 Slow-speed	单层 Single layer	6SXL-300MD2Q	2745*1552*1755	820	0.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	2.2	0.2-0.55	0.4-0.8	250-500	⩾99
		6SXL-600MD2Q	3485*1890*1755	1200	0.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	3.1	0.5-1.0	0.4-0.8	500-1000	⩾99
		6SXL-600MD2Y	2765*1585*1755	750	1.0	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	2.7	0.5-1.0	0.4-0.8	300-1200	⩾99
		6SXL-1200MD2Q	3730*2495*1905	1600	0.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	3.4	0.8-1.5	0.4-0.8	500-3000	⩾99
	双层 Double layer	6SXL-1200MS2Q	3920*2495*2810	2780	0.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	6.6	2.5-4.4	0.4-0.9	500-5000	⩾99.8
	红外 Infrared	6SXL-300MD2QH4 V	2760*1240*1880	980	0.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	3.3	0.2-0.5	0.3-0.6	200-500	⩾99
		6SXL-600MD2QH4 V	2760*1554*1880	1185	0.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	4.4	0.5-1.0	0.3-0.6	500-1000	⩾99
		6SXL-1200MD2QH4 V	2760*2180*1880	1500	0.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	5.0	0.8-1.5	0.3-0.6	1000-2000	⩾99
快速 High-speed	单层 Single layer	6SXL-300KD2Y	3450*1350*1850	700	2.0-3.0	50/60Hz	AC220V±10%	2.4	0.2-0.5	0.4-0.8	250-500	⩾99
		6SXL-600KD2Y	3450*1650*1850	840	2.0-3.0	50/60Hz	AC220V±10%	3.1	0.5-1.0	0.4-0.8	500-1000	⩾99
		6SXL-600KD2Y II	3620*2010*1800	1130	2.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	3.4	0.5-1.0	0.3-0.6	500-1000	⩾99
		6SXL-1200KD2Y	3450*2280*1850	1200	2.0-3.0	50/60Hz	AC220V±10%	3.8	0.8-1.5	0.4-0.8	1000-2000	⩾99
		6SXL-1200KD2Y II	3620*2650*1800	1390	2.8	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	4.3	0.8-1.5	0.3-0.6	1000-2000	⩾99
		6SXL-1200KD2YIII	4840*2540*1695	2200	2.0-3.0	50/60Hz	AC220V±10% 三相AC380V±10%	4.5	2.5-4.4	0.3-0.6	700-1500	⩾95
		6SXL-1800KD2Y	5800*2830*1820	2200	2.0-3.0	50/60Hz	AC220V±10%	5.9	2.0-3.5	0.4-0.8	1500-3000	⩾99
		6SXL-1800T	7070*2766*2590	2800	3.0	50/60Hz	AC三相415±10%	6.7	2.0-3.5	0.5-0.8	8000-10000	⩾98
	双层 Double layer	6SXL-1200KS2Y	4590*2420*2240	2500	2.0-2.5	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	5.8	2.5-4.4	0.4-0.8	1000-2000	⩾99.8
特殊机型 Special model	大物料 Large material	6SXL-1200ZD1Q	3300*2300*1700	1680	/	50/60Hz	AC220V±10% AC380V±10%（小皮带机）	2.2	2.5-4.4	0.4-0.8	6000-18000	⩾99

备注 / Note 1、以上色选性能均以含杂低于2%的杂粮为例； 2、产品若有更新以实际机器为准。 1. The above sorting performance is measured on grains with less than 2% impurity. 2. Products may have upgrade and vary without prior notice.

SORTING / 色选实例
EXAMPLES SHOW

腰果 /
Cashew

核桃仁 /
Walnuts

核桃 /
Walnuts

花生果 /
Peanut

花生米 /
Peanut kernel

中药饮片 /
Chinese materia
medica

脱水蒜片 /
dried garlic slices

虾皮 /
Shrimp skin

干辣椒/
Dried chili

胡椒 /
Pepper

矿石 /
Ore

鹅卵石 /
Pebble

塑料瓶 /
Plastic bottle

橡胶塞/
Rubber stopper

盐水瓶片 /
Salt bottle flakes

破碎水箱 /
Broken water tank

铜米/
Broekn Copper

铜杂料/
Copper

废旧金属 /
Scrap metal

铜铝金属 /
Copper aluminum

USER / 客户应用案例
APPLICATION CASES

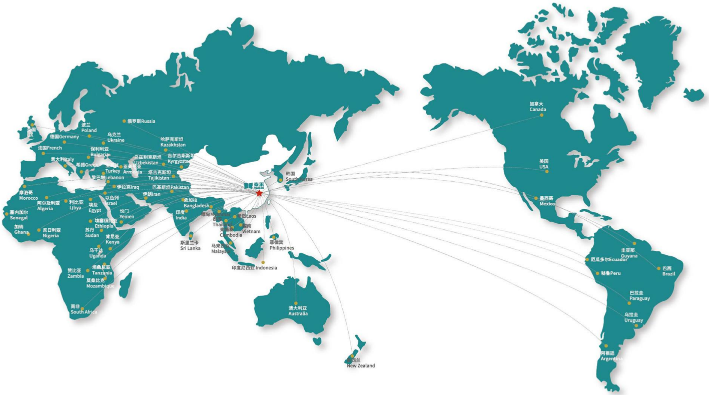
在中国，我们的产品销售遍布安徽省、河南省、山东省等三十多个省市自治区。

在海外，我们的产品销售遍布亚洲、北美、欧洲、拉丁美洲、澳洲、非洲、中东等近八十个国家和地区。

In China, Our products are sold in more than 30 provinces and autonomous regions such as Anhui province, Henan Province, Shandong province etc.

In the overseas,Our products are sold to nearly 80 overseas countries and regions in Asia, North America, Europe, Latin America, Australia, Africa and Middle East.

AFTER SALES SERVICE / 售后服务



及时、周到
上门服务

24-hour On-site service
Fast response and
considerate

整机一年
免费维护和保养

One-year Warranty
Free maintenance

7x24小时
用户咨询服务

7*24 hours free
consultation
service

建立用户档案
实行跟踪服务

Establish user files,
implement tracking
services

泰禾AI智选·数字分选技术开创者

Taiho AI Sort· Global Intelligent Manufacturer

TAIHO 泰禾
泰禾智能
合肥泰禾智能科技集团股份有限公司
HEFEI TAIHE INTELLIGENT TECHNOLOGY GROUP CO.,LTD

2004: Taiho was founded;
合肥泰禾智能科技集团
股份有限公司成立;
2004年

2008: The first company to apply
high-speed and high-resolution CCD
technology to the field of sorting;
首家将高速高分辨率CCD
技术应用于分选领域;
2008年

2017: Taiho was listed on A-share
main board, code:603656;
上海证券交易所成功上市,
股票代码:603656;
2017年

2018: First application of AI
Intelligent Technology in the color
sorting industry;
首创将人工智能应用于
智能分选领域;
2018年

2022: AI Sort Digital sorting Technology
was officially released.
AI智选数字分选技术
正式发布;
2022年