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*因公司产品技术不断革新,本画册所展示的产品若涉及外观、配置或性能等升级的,以实际升级后的产品为准,本画册所展示内容仅供参考。

*Due to the continuous innovation of the company's product technology, if the appearance, configuration or performance of the products displayed in this album are upgraded, the actual upgraded products shall prevail. The content displayed in this album is for reference only.

AI智选·分选新标杆

杂粮分选 全场景解决方案

FULL SORTING SOLUTION FOR MULTI GRAINS

**AI INTELLIGENT SORTING
THE NEW BENCHMARK IN SORTING**

2024年10月

AI智选生态系统

AI INTELLIGENT SELECTION ECOSYSTEM

Global Intelligent Manufacturing
AI Vision Expert
世界智造•AI视觉专家

TAI+智能算法系统

TAI+ intelligent algorithm system

多维色选算法+创新形选算法+深度学习算法，多元识别物料颜色、形状、纹理、面积、密度、材质等各类信息。

Multi-dimensional color selection algorithm + innovative shape selection algorithm + deep learning algorithm, multiple recognition of material color, shape, texture, area, density, material and other information.

TAI+智芯处理系统

TAI+ Intelligent core processing system

应用SOC智芯系统架构，搭载智能分选平台，拥有100TOPS超强算力，构建集成度更高、运算更快、分选能力更强的处理系统。

The application of SOC intelligent core system architecture, equipped with intelligent sorting platform, with 100TOPS super computing power, to build a processing system with higher integration, faster computing and stronger sorting ability.

TAI+光学感知系统

TAI+ optical sensing system

采用低温聚光LED光源，智能调光，1600万种混色，节能更耐用；匹配AI颜色还原技术，自主纠偏校色，高还原、超保真。

Using low temperature concentrated LED light source, intelligent dimming, 16 million color mixing, energy saving and more durable; Matching AI color restoration technology, self-correcting color correction, high restoration, ultra-fidelity.

TAI+超清视觉系统

TAI+ ultra high-definition vision system

适配高清CCD工业相机，单个相机内嵌AI管理系统；融合分时光源技术，高速成像，实现智能超清分辨。

Suitable for high-definition CCD industrial cameras, a single camera embedded AI management system; Integration of time-sharing light source technology, high-speed imaging, intelligent ultra-clear resolution.

TAI+万物互联系统

TAI+ Internet of Everything system

利用TAI+智造互联平台，4G/5G+华为云联设备，实现智慧物联、自动交互；应用微信小程序，远程运维、在线服务。

Using TAI+ intelligent interconnection platform, 4G/5G+ Huawei cloud connection equipment to achieve intelligent iot and automatic interaction; Application of wechat mini program, remote operation and maintenance, online services.

TAI+变频喷吹系统

TAI+ frequency conversion injection system

搭载智能变频电磁阀，130亿次长效喷吹，不漏气、低功耗；应用自适应喷吹技术，0.05毫秒快速响应，无尾气、低带出。

Equipped with intelligent frequency conversion solenoid valve, 13 billion times long-term injection, no leakage, low power consumption; Application of self-adaption injection technology, 0.05 ms fast response, no exhaust gas, low takeout.

TAI+除尘净化系统

TAI+ dust removal purification system

全覆盖渐变式空气净化，水、油、尘全过滤，不遗漏、零污染；自协同清灰技术，实时感应式清灰，零延时、更干净。

Full coverage gradual air purification, water, oil, dust filter, no omission, zero pollution; Self-coordinated cleaning technology, real-time induction cleaning, zero delay, cleaner.

TAI+柔性防护系统

TAI+ flexible protection system

一体化防撞无损设计，软着陆柔性出料，有效减少物料破碎；食品级接触材料，全流程安全呵护，健康品质有保障。

Integrated anti-collision and non-destructive design, soft landing and flexible discharge, effectively reduce material breakage; Food grade contact materials, the whole process of safety care, health quality is guaranteed.

杂粮分选全场景解决方案

FULL SORTING SOLUTION FOR MULTI GRAINS

Global Intelligent Manufacturing
AI Vision Expert
世界智造·AI视觉专家

泰禾智能 一键智选

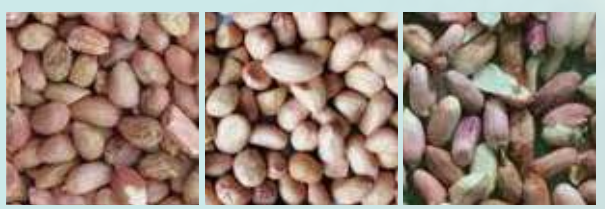
TAIHE INTELLIGENT
ONE KEY INTELLIGENT SORTING

适用于玉米、花生米、高粱、小麦、黄豆、绿豆、花椒等300+杂粮物料分选，全新一代平台化机型+全新一代深度学习算法，让杂粮去“杂”，让精粮更“精”，为客户提供更高效、更便捷、更高价值的杂粮分选解决方案。

Suitable for sorting 300+ grain materials such as corn, peanuts, sorghum, wheat, soybeans, mung beans, Sichuan pepper, etc., a new generation of platform models + a new generation of deep learning algorithms, so that grains to "miscellaneous", so that refined grains more "refined", to provide customers with more efficient, more convenient, higher value of grain sorting solutions.



花生米/Shelled peanuts



原料/Raw material 成品/ After sorting 次品/Rejection

花生果/Peanuts



原料/Raw material 成品/ After sorting 次品/Rejection

玉米/Corn



原料/Raw material 成品/ After sorting 次品/Rejection

葵花籽/Sunflower seeds



原料/Raw material 成品/ After sorting 次品/Rejection

蚕豆片/Fava bean chips



原料 /Raw material 成品 / After sorting 次品 /Rejection

黄豆/Soybeans



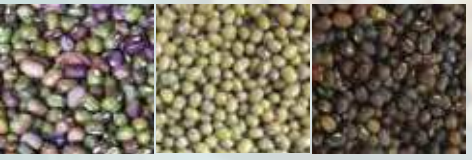
原料 /Raw material 成品 / After sorting 次品 /Rejection

脱皮芝麻/Peeled sesame seeds



原料 /Raw material 成品 / After sorting 次品 /Rejection

绿豆/Green mung beans



原料 /Raw material 成品 / After sorting 次品 /Rejection

枸杞/Dried chinese wolfberries



原料 /Raw material 成品 / After sorting 次品 /Rejection

红豆/Red beans



原料 /Raw material 成品 / After sorting 次品 /Rejection

奶花豆/Light speckled kidney beans



原料 /Raw material 成品 / After sorting 次品 /Rejection

芝麻/Sesame seeds



原料 /Raw material 成品 / After sorting 次品 /Rejection

咖啡豆/Coffee beans



成品 / After sorting 次品 /Rejection

杏仁/Almonds



成品 / After sorting 次品 /Rejection

小黄豆/Small soybeans



原料 /Raw material 成品 / After sorting 次品 /Rejection

紫花豆/Purple speckled kidney beans



原料 /Raw material 成品 / After sorting 次品 /Rejection

小麦/Wheat



原料 /Raw material 成品 / After sorting 次品 /Rejection

腰果/Cashews



成品 / After sorting 次品 /Rejection

脱皮蒜片/Crispy garlic chips 小黄米/Millet



成品 / After sorting 次品 /Rejection

AI智选深度学习

AI SORT DEEP LEARNING

Global Intelligent Manufacturing
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世界智造·AI视觉专家

AI自采集 / AI self-acquisition

类神经元模型架构，智能图像采集，自行完成数据标注
Neuron-like model architecture, intelligent image acquisition and autonomous data annotation

AI自识别 / AI self-recognition

8核CPU高效驱动，多样视觉算法，自主分类组合识别
8-core CPU, diverse vision algorithms to independently classify and combine the recognition

AI自学习 / AI self-learning

模型蒸馏协调训练，数据迁移学习，自我提升检测效率
Model distillation coordination training, data transfer learning, self-improving detection efficiency

AI自执行 / AI self-execution

每秒百万亿次算力，神经网络搜索，自动精准定位分选
100 trillion computing power per second, neural network search and automatic precision positioning sorting

超脑深度学习平台 Superbrain deep learning platform



超脑深度学习
Superbrain deep learning



高速数据传输
High-speed data transmission



海量信息处理
Mass information processing



精准识别分选
Accurate identification and sorting

AI智选天眼Pro系列

INTELLIGENT AI OBSERVATION PRO SERIES

杂粮分选品质保障者

GRAIN SORTING QUALITY ASSURANCE

Global Intelligent Manufacturing
AI Vision Expert
世界智造·AI视觉专家

产品介绍 / Product Introduction

- ▶ 高产机型；大产量配置，处理系统全面升级，入料承载力提升 3-5 倍，高频智能电磁阀秒吹千次，保证精度的同时，分选效率提高 60%；
High production model; Large output configuration, comprehensive upgrade of the processing system, the loading capacity is increased by 3-5 times, high-frequency intelligent solenoid valve is blown thousands of times per second, while ensuring accuracy, the sorting efficiency is increased by 60%;
- ▶ 高精算法；高精度智能形色双选算法，最优光学设计，高清识别成像，可解决霉变、萎缩、虫蚀、恶杂等各类杂粮分选难题；
High precision algorithm; High-precision intelligent shape and color double selection algorithm, optimal optical design, high-definition recognition imaging, can solve the sorting problems such as mildew, atrophy, insect erosion, other kinds of impurities;
- ▶ 高稳定性；平台化立式机型，结构设计标准化、模块化，专属除尘净化系统，环境适应性更强，产品性能更好更稳定；
High stability; Platform-based vertical models, standardized and modular structure design, exclusive dust removal and purification system, better environmental adaptability, better and more stable product performance;
- ▶ 高适用性；二十年积淀，产品适用于 300 余种不同杂粮品类，可分选异种粮、异色、霉变、残损、石子等各类恶杂和问题杂粮，有效提升杂粮产品质量。
High applicability; Twenty years of accumulation, the products are suitable for more than 300 different kinds of grain categories, can be sorted different grain, different color, mildew, damaged, stone and other kinds of impurities and problematic grains effectively improve the quality of grain products.

适用物料 / Applicable materials

适用于花生米、玉米、葵花籽、芝麻、小麦、黄豆、绿豆、高粱等各类杂粮分选。
Suitable for sorting peanut, corn, sunflower seeds, sesame, wheat, soybeans, mung beans, sorghum and other kinds of grains.



6SXZ-900VA+

性能参数 / Performance parameter

产品系列 Product series	型号 Model	处理量 Throughput (t/h)	整机功率 Power (kW)	电源电压 Electricity voltage (V)	气源压力 Air pressure (MPa)	气源消耗 Air consumption (m³/min)	规格尺寸 Size (mm)	机器重量 Weight (kg)
AI智选 天眼Pro系列 AI Smart Selection Observation Pro Series	6SXZ-270VA+	7.5-12.0	1.8	AC220V 50/60Hz	0.5-0.8	1.7-2.4	1706*1525*1935	1150
	6SXZ-450VA+	12.5-20.0	2.6	AC220V 50/60Hz	0.5-0.8	2.8-4.1	2355*1525*1935	1550
	6SXZ-630VA+	17.5-28.0	3.6	AC220V 50/60Hz	0.5-0.8	3.9-5.7	2823*1525*1935	1970
	6SXZ-720VA+	20.0-32.0	4.0	AC220V 50/60Hz	0.5-0.8	4.5-6.5	3137*1525*1935	2156
	6SXZ-900VA+	25.0-40.0	4.9	AC220V 50/60Hz	0.5-0.8	5.0-7.5	3765*1525*1935	2520
	6SXZ-1080VA+	30.0-48.0	5.7	AC220V 50/60Hz	0.5-0.8	6.0-9.0	4403*1525*1935	3052

备注：1、以上色选性能均以玉米为例；2、产品配置处于不断更新中，不同时期产品的配置参数可能存有差异，具体以实物机器为准；3、本画册所展示的性能经测试产生，实际生产时可能因现场环境不同而有所差异。

Notes: 1. The above color separation performance takes corn as an example; 2. The product configuration is constantly updated, different periods of product configuration parameters may be different, the specific physical machine shall prevail; 3. The performance shown in this album has been tested and produced, and may be different in actual production due to different site environments.

COOPERATIVE CLIENT



USER APPLICATION CASES



售后服务

AFTER-SALE SERVICES

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公司坚持“以客户为中心”为指导方针,倡导所有员工随时关注客户的需求,竭力为国内外客户提供解决方案的服务理念。

公司现有90余名售后服务人员,服务下沉至地市级,直接贴近客户,为客户提供及时、快速、周到的服务,实现24小时内上门服务。

对客户实行整机一年免费维护和保养,并及时提供专业培训和技術指导解决客户后顾之忧,充分体现快速响应,及时维护,跟踪协调的服务模式。

The company adheres to the “customer-centered” guideline, advocates all staff to focus on customer demand and strives to provide solutions for domestic and overseas customers.

There are more than 90 after-sales service workers in the company, and the services go to prefecture-level cities and directly approach customers. The service workers provide timely, fast and thoughtful services and achieve 24h door-to-door services.

The whole machine will be maintained free of charge for one year, and professional training and technical guidance will be provided for customers to solve their worries. These fully mirror the service mode of quick response, timely maintenance, tracking and coordination.



400-660-9996

整机一年免费
维护和保养
One-year free
warranty

24小时内
上门服务
24-hour local agent
response

7x24小时
用户咨询服务
free consultation
service 7*24 hours

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· Digital Sort Technology Pathfinder

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 in
Shanghai Stock Exchange,
Stock 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

