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详细参数以报价合同为准, 技术参数若有变更, 恕不另行通知。

Technical parameters are subject to change without prior notice,

The detailed parameters shall be subject to the quotation contract.

版本 version: 20260321版



业务微信



抖音视频案例



WhatsApp

诚邀客户与经销商洽谈合作

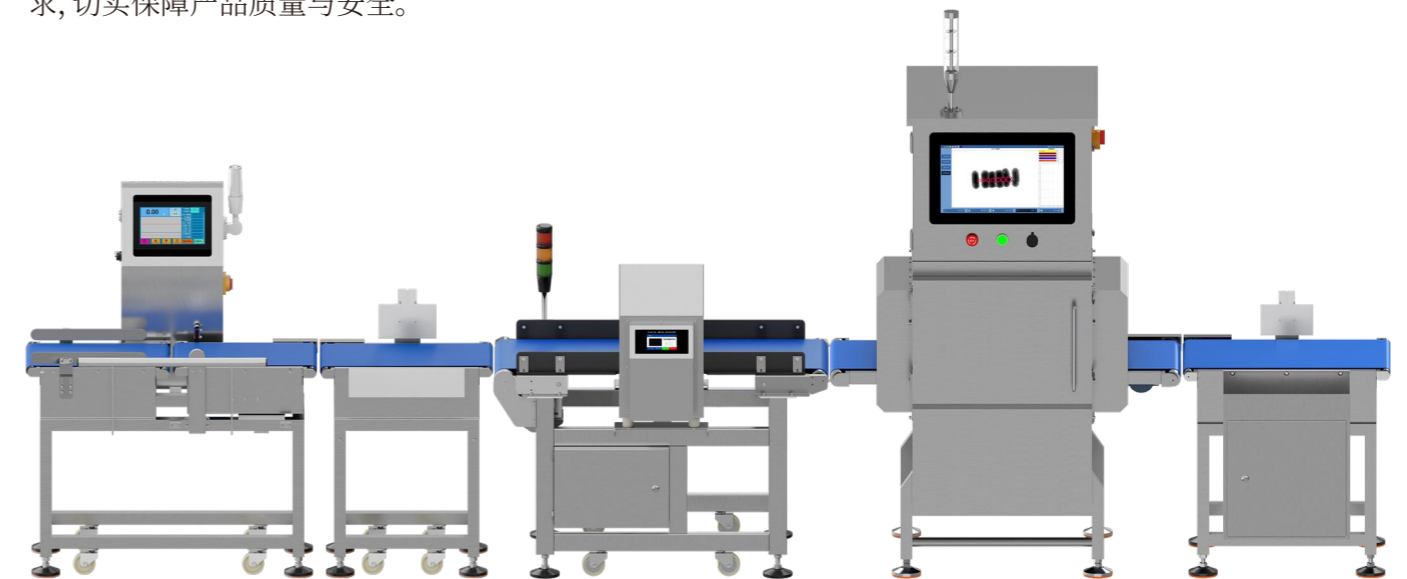
我们提供涵盖产品介绍、方案报价、上门培训调试及售后支持的全流程服务。无论您是推荐客户资源, 还是为终端客户配套服务, 我们均以诚意让利, 保障贵司的利润空间。

高性价比产品检重与异物检出解决方案

Affordable product testing solutions

以高性价比助力贵司构建完善检测机制, 保障产品质量与安全

依托近万平规模化生产基地与自主研发核心技术, 我们构建起全链路生产管控体系, 凭借显著成本优势, 可向贵司提供超高性价比的动态检重秤、重量分选机、金属检测机、金属分离器、检针机、X射线异物检测机等产品检重选别与异物检出解决方案, 轻松助力贵司构建标准化检测机制, 显著提升生产效率, 满足法规与验厂需求, 切实保障产品质量与安全。



Cost-Effective Solutions to Build a Comprehensive Inspection System for Your Company and Safeguard Product Quality & Safety

With a nearly 10,000 m² production base and independent core R&D, we've built a full-chain production control system. Our notable cost advantages enable high-cost-performance solutions for product checkweighing, sorting and foreign object detection, helping you establish a standardized inspection mechanism, boost production efficiency, meet regulatory and factory audit requirements, and effectively protect product quality and safety.

提供样品测试与上门勘察服务

我们诚挚邀请您携带样品莅临衡天下工厂进行现场测试, 亦可通过寄送样品的方式开展视频测试。基于实测数据精准评估设备精度与运行效率。同时安排工程师实地勘察贵司生产环境, 量身定制方案。

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The product catalog does not include product technical parameters and drawing information. If you need to obtain product information and solution quotation, please contact our salesperson

您好, 我们是衡天下大信 Hello, we are Hengtianxia Daxin

关于衡天下大信

广东衡天下检测设备有限公司与东莞市大信检测设备有限公司自 2023 年 2 月正式运营以来, 依托近万平的生产基地与自主研发核心技术, 构建起完善的生产管控体系, 形成显著的成本优势, 为客户提供高性价比的产品检重与异物检出解决方案。此外我们还联合合作厂商, 为客户一站式提供从检测、标识、包装到码垛的包装生产线配套与整线定制方案, 助力生产流程更智能、高效与稳定。衡天下与大信两大品牌虽业务独立运作, 但在生产制造与客户服务环节实现资源整合、统一管理。凭借产品的高性价比与高品质, 发展增速远超行业平均水平, 现已跻身国内产品检测行业前列。

About Hengtianxia Daxin

Hengtianxia and Daxin Company rely on their nearly 10000 square meter production base and independently developed core technologies to establish a comprehensive production control system, forming significant cost advantages and providing customers with cost-effective product testing solutions. In addition, we also collaborate with partner manufacturers to provide customers with one-stop packaging production line support and customized solutions from testing, labeling, packaging to palletizing. With the high cost-effectiveness and high quality of our products, our growth rate far exceeds the industry average and we have now become one of the top players in the Chinese industry.

我们的使命

为客户提供真正兼具高性价比与高品质的产品及服务

我们的愿景

2030 年, 发展为中国行业领先并具备全球竞争力的企业

我们的核心价值观

成就客户、成就自我
务实、担当、奋斗、创新

Our mission

To provide customers with truly cost-effective and high-quality products and services

Our Vision

By 2030, develop into a leading and globally competitive enterprise in the Chinese industry.

Our core values

Achieving Customer and Self Achievement
Practical, responsible, striving, and innovative

团队与线上线下业务

衡天下大信总经理蓝恩超先生系技术背景出身，拥有十七年行业从业经验。他带领着一支由近百名年轻人组成的团队，团队成员极具活力与创新精神，且具备互联网思维。其中95后、00后成员占比超过80%。经验丰富的技术骨干与充满朝气的年轻力量深度融合，形成了衡天下大信区别于同行的独特竞争优势。

公司业务发展采用线上线下双轨并行模式。线上以各大电商平台及短视频渠道为切入点，触达全球客户；线下业务目前已完成广东周边省市、川渝地区及江浙沪区域的战略布局。依托“线上高效获客、线下本地化服务”的运营策略，建立标准化服务响应机制，线上实行30分钟快速响应制度，线下布局区域可实现最快12小时紧急上门服务（未布局区域承诺36小时响应）。后续，公司将有序推进线上线下业务拓展规划，持续扩大优质服务的覆盖范围。

Our team, production scale, and delivery capability

Mr. Lan Enchao, General Manager of Hengtianxia Daxin, comes from a technical background and has 17 years of industry experience. He leads a team of nearly 100 young professionals. At present, we have two factories (Hengtianxia 1500 square meters and Daxin 8000 square meters) and have established an efficient production and delivery system. Inventory and spot goods can be shipped on the same day, standard models without inventory can be quickly delivered within 3 days, and non-standard customized models can be efficiently delivered within 7 days. The monthly average production and delivery equipment exceeds 300 units.



衡天下大信大楼 Factory Building

生产规模与交付能力

2023年5月，衡天下工厂正式投产，在1500平方米的厂房开启了自研、自产、自销全链条运营模式。凭借持续的技术攻坚，相继掌握动态检重、金属检测及X射线异物检测等核心技术。在生产过程中，零部件严格选用行业一流供应商，并建立标准化出厂验收机制，全方位保障设备品质及长期稳定运行。

2024年9月，大信检测8000平方米工厂投入使用。新增钣金部门，实现了从钣金加工到装配全流程自主可控，生产效率得到显著提升，有效缓解产能压力的同时，大幅缩短了产品交货周期。

目前，我们已构建起高效交付体系，库存现货可实现当天发货，无库存标准机型3天内快速交付，非标定制机型7天高效交付，月均生产交付设备超300台。



上门调试培训 On site debugging training

成功合作客户超3100家

截至2026年3月，衡天下大信已累计服务客户超3100家，为各行业提供高性价比、高品质的生产线产品检测及整线配套解决方案。目前已与徐福记、雀巢、加多宝、美的、海尔等行业头部品牌工厂建立长期稳定的合作关系，凭借卓越的设备性能与可靠品质，成功适配各类复杂生产场景。

对于中小型企业与工厂客户，我们聚焦的高性价比解决方案，可轻松满足法规标准与验厂要求，助力企业实现人工到自动化的高效转型。通过提升生产效率、降低人工成本，为客户构建产品质量安全防线，令生产包装流程更智能、高效与稳定可靠。



Successfully collaborated with over 3100 clients

As of March 2026, Hengtianxia Daxin has served over 3,100 customers, providing cost-effective, high-quality production line inspection and full-line packaging solutions across industries. We have established long-term stable cooperation with leading brands such as Hsu Fu Chi, Nestlé, Jiaduobao, Midea and Haier, with reliable equipment adapted to diverse complex production environments. For SMEs and factories, our cost-effective solutions fully meet regulatory and audit requirements, enabling smooth automation transformation. We help improve efficiency, reduce labor costs, safeguard product quality, and make production and packaging smarter, more efficient and stable.



生产装配车间 Production Assembly Workshop

不合格产品报警剔除方式选择,保障流出产品的质量与安全

Selection of Alarm and Rejection Modes for Non-Conforming Products

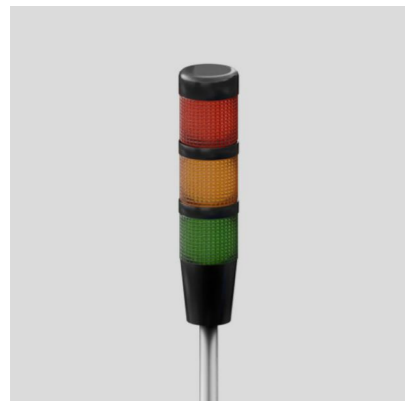
报警剔除系统

报警灯、剔除器与光电传感器协同工作,可实现对不合格产品的精准定位与产线剔除,全方位保障流出产品的质量与安全。

设备标配声光报警灯,可提供气吹式、推杆式、拨杆式等多样化剔除方式选择,搭配滑板、接料斗、接料箱等剔除收集方案,全面适配不同产品的剔除需求,并支持按需定制。

Alarm and Rejection System

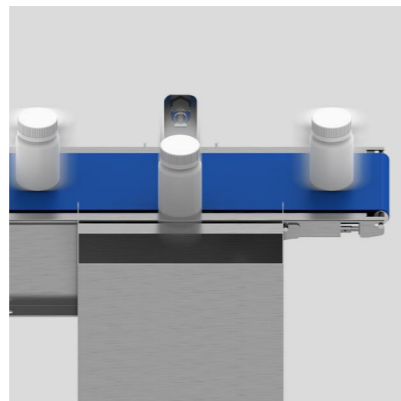
The alarm light, rejector and photoelectric sensor work in synergy to accurately locate non-conforming products and remove them from the production line, fully safeguarding the quality and safety of outgoing products. The equipment comes standard with an audible and visual alarm light, offering a variety of rejection methods including air-blow, pusher-type and lever-type options. It is also compatible with rejection and collection solutions such as slide plates, hoppers and collection boxes, fully adapting to the rejection needs of different products and supporting customization as required.



报警停机

设备标配,检出不合格产品,声光报警停机或皮带反转退回。

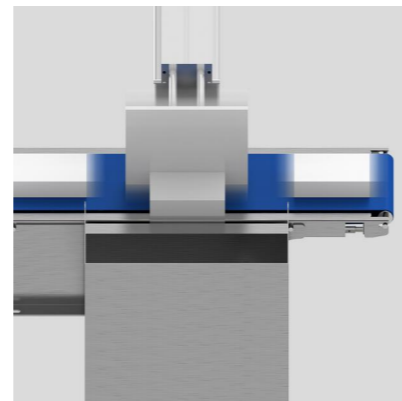
Alarm and Shutdown
Standard equipment function: Audible and visual alarm with machine shut-down or belt reverse for product return upon detection of non-conforming items.



气吹式剔除

使用高压空气剔除不合格产品,适合轻小型产品。

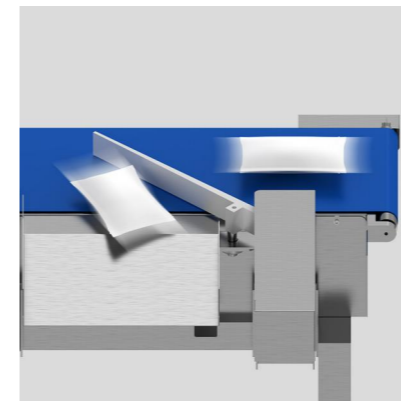
Air-blow Rejection
Rejects non-conforming products with high-pressure air, suitable for light and small products.



推杆式剔除

使用伸缩的推杆剔除不合格产品,适合中大型、重型产品。

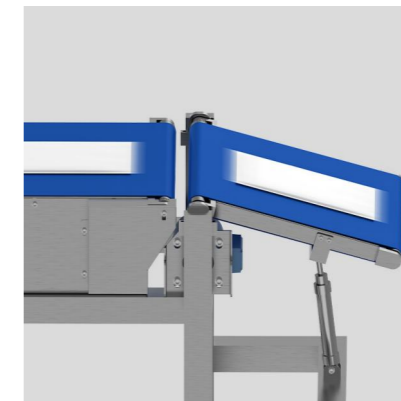
Pusher-type Rejection
Rejects non-conforming products with a telescopic pusher, suitable for medium, large and heavy products.



拨杆式剔除

使用摆动的拨杆剔除不合格产品,适合较厚的产品。

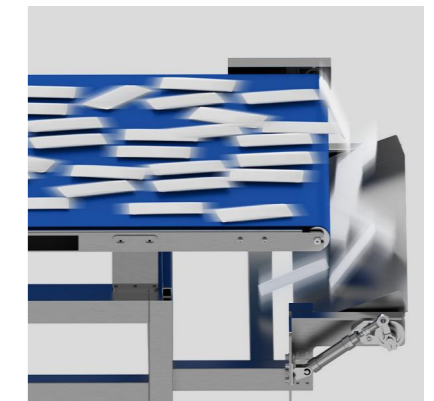
Lever-type Rejection
Rejects non-conforming products with a swinging lever, suitable for thick products.



下沉式剔除

使用可下沉的输送段剔除不合格产品,适合较薄的产品。

Sink-type Rejection
Rejects non-conforming products with a lowerable conveyor section, suitable for thin products.



翻板式剔除

使用可下落的翻板剔除不合格产品,适合散料通过的产品。

Flap-type Rejection
Rejects non-conforming products with a drop-down flap, suitable for bulk material products.

生产过程中的异物检出解决方案, 超越金检范畴, 全面确保产品质量与安全

X-ray Foreign Object Detection Solutions for Production Processes

生产过程中的X射线异物检测机

X-ray Foreign Object Detector for Production Processes

异物检测机搭载AI智能识别算法, 可精准检测并剔除生产过程中意外混入产品的高密度异物, 生成清晰直观的检测图像, 清晰呈现异物形状及位置, 实现检测结果的可视化与可追溯性, 有效保障产品的安全与品质。

Equipped with an AI intelligent recognition algorithm, this detector accurately identifies and rejects high-density foreign objects accidentally mixed into products during production. It generates clear and intuitive detection images that display the shape and position of foreign objects, enabling visualization and traceability of test results and effectively safeguarding product safety and quality.

依托自研自产把控质量与成本, 我们给足诚意, 用颠覆性的定价策略, 将X射线异物检测机的价格拉至行业底价。仅用进口金属检测机同等预算, 贵司即可升级使用检测范围更全面、精度更高的异物检测机, 实现产品异物检出能力的跨越式提升。



检测不受产品包装材质、温湿度、盐分等影响

Unaffected by product packaging material, salt content, etc.

异物检测机几乎适用于产线上所有产品, 且检测不受产品包装材质、温度、湿度、盐分等因素干扰, 即便是金属、铝箔包装产品中的异物, 也能被精准检出。

此外, 在持续使用中设备会不断优化识别模型、软件更新, 越用越好用。除核心的异物检测算法外, 其还可附加多种算法, 进行如产品的数量、形状与完整性等更多检测项目, 进一步提升生产过程中的质量管控能力。

The foreign object detector is suitable for almost all products on the production line, and its performance is not disturbed by factors such as packaging material, temperature, humidity and salt content. Foreign objects can be accurately detected even in metal or aluminum foil packaged products. In addition to the core foreign object detection algorithm, multiple additional algorithms can be integrated to perform inspections including product count, shape and integrity, further enhancing quality control during production.

超越金属检测范畴、检出更多高密度异物

Goes beyond metal detection to identify more foreign objects

依托X射线吸收差异原理, 异物检测机可精准识别密度高于产品的异物。除检测各类金属外, 还能检测金属检测机所不能检测的玻璃、陶瓷、石头、骨头等高密度异物, 全面保障产品质量与安全。

Based on the principle of X-ray absorption difference, the detector accurately identifies foreign objects with higher density than the product. In addition to various metals, it can detect high-density foreign objects that metal detectors cannot, such as glass, ceramics, stones and bones, fully ensuring product quality and safety.



高性能核心配置、高规格硬件标准

High-Performance Core Configuration & High-Spec Hardware Standards

搭载高精度探测器与先进算法,实现0.3mm起的高精度异物检测,细微异物无所遁形。机身采用食品级304不锈钢,搭配防黏PU皮带,检测通道防水处理,抗腐蚀易清洁,符合食品药品接触卫生标准。标配空调散热,触控显示屏、电机、变频器等核心零部件均使用一流供应商,确保设备长期稳定运行。Equipped with a high-precision detector and advanced algorithms, it achieves high-precision foreign object detection starting from 0.3mm, ensuring no tiny foreign objects go undetected. The machine body is made of food-grade 304 stainless steel, paired with an anti-stick PU belt, and the detection channel is waterproof treated, featuring corrosion resistance and easy cleaning, which complies with the hygiene standards for food and pharmaceutical contact. It comes standard with air conditioning for heat dissipation, and core components such as the touch screen, motor and frequency converter are sourced from first-class suppliers to ensure long-term stable operation of the equipment.

按生产需求量身定制,无缝对接产线

Customized to Your Production Needs for Seamless Line Integration

我们将深入调研贵司的生产流程、产品特性及检测精度要求,从设备外形及检测通道尺寸到软件功能开发,提供全方位定制方案,确保与产线无缝对接,达成高效且精准的异物检出效果。在超大型X射线异物检测机定制领域,我们积累了深厚的实战经验,可从容应对此类非标定制需求。We conduct an in-depth study of your production process, product features and detection accuracy requirements. We provide a full range of customized solutions – from equipment dimensions and inspection channel size to software function development – ensuring seamless integration with your production line and achieving highly efficient and accurate foreign object detection.



可定制超大型X射线异物检测机

Extra-large X-ray foreign object detectors are customizable.

全面保障操作人员的安全 Comprehensive Protection for Operators' Safety

设备的辐射量不会对操作人员与被检测产品的品质、营养价值与微生物等造成任何危害。其采用了医用级铅皮内衬、可拆卸式安全防护铅帘与X射线定向技术三重防护措施来防止辐射泄漏,实测设备表面辐射剂量 $\leq 0.5\mu\text{Sv/h}$,优于国际通行的辐射安全标准规范 $\leq 5\mu\text{Sv/h}$ 。搭配辐射显示灯预警、防护罩开启即切断照射等安全联锁设计,全方位保障操作人员的安全。

The equipment's radiation level poses no harm to operators, nor does it affect the quality, nutritional value or microbiological status of inspected products. It adopts three layers of protection to prevent radiation leakage: medical-grade lead lining, detachable safety protection lead curtains, and directional X-ray technology. The measured surface radiation dose is $\leq 0.5\mu\text{Sv/h}$, which is far better than the international radiation safety standard of $\leq 5\mu\text{Sv/h}$.

简单直观的操作界面,零培训快速上手

Simple & Intuitive Interface, Zero Training for Quick Operation

配备19英寸飞利浦全彩液晶屏,支持全程触控操作,基于Windows系统开发的软件,交互界面简单直观,新员工10分钟即可掌握全流程,实现快速上手。支持AI自学习智能算法,无需任何经验,按照指示使用自学习功能即可快速添加新产品,并自动设置最优检测参数。还可对产品设置屏蔽区域,对检测中易因误检造成误判区域(如四周边角、干燥剂等)进行屏蔽处理。

Equipped with an 19-inch Philips full-color LCD screen supporting full touch control, the Windows-based software features a straightforward and user-friendly interface. New staff can master the entire process in just 10 minutes.

Supporting AI self-learning algorithms, the system allows quick addition of new products by following on-screen instructions without prior experience, and automatically configures optimal detection parameters.

It also supports product masking, enabling exclusion of areas prone to false detection (such as edges, corners, desiccants, etc.)



检测界面

Detection Interface



数据管理

Data Management

实时生产监控与详实的信息管理功能

Real-Time Production Monitoring & Comprehensive Data Management

大屏幕实时呈现产品检测图像, 自动存储报警产品图像, 具备详实的数据分析与报表生成功能, 可一键生成生产报表, 清晰展示生产总量、合格率、异物检出率、设备运行时长、报警次数等关键数据。管理人员通过U盘即可完成数据导出分析与汇报, 便于精准定位生产问题、挖掘优化空间。同时支持用户权限分级管理, 有效规避未经授权的数据修改与设备误操作, 全方位保障信息管理的安全性与规范性。

The large screen displays real-time product inspection images and automatically saves images of rejected products. It provides detailed data analysis and report generation, allowing one-click production reports that clearly show key data such as total output, pass rate, foreign object detection rate, equipment running time, and alarm count.

Managers can export, analyze and report data via a USB drive, making it easy to identify production issues and find improvement opportunities.

The system also supports hierarchical user authority management, effectively preventing unauthorized data modification and equipment misuse, ensuring safe and standardized information management.

提供多种尺寸与应用场景的X射线异物检测机标准机型

Standard X-ray Foreign Object Detectors in Various Sizes & Applications

提供覆盖多种尺寸规格与应用场景的标准异物检测机机型, 满足食品、医药、日化等多行业及不同产品的检测需求。无论是小型、中大型、重型产品及包装还是散料产品, 均有对应机型提供。

We offer standard foreign object detectors in a full range of sizes and configurations to meet inspection requirements for food, pharmaceutical, daily chemical and other industries. Suitable models are available for small, medium, large, heavy products and packages, as well as bulk materials.



通用型异物检测机
General-Purpose Type

重载型异物检测机
Heavy-Duty Type

散料型异物检测机
Bulk Material Type

规格参数

检测通道宽(mm): 250/400/500/600/定制

检测通道高(mm): 150/200/300/400/定制

X射线输出: 80-210kVp/0.2-5mA/定制

交互屏幕: 19英寸全彩触摸屏

操作系统: Windows

操作方式: 触摸输入/鼠标键盘/远程控制

操作语言: 中文/英文/多语言定制

机体材质: SUS304拉丝不锈钢/定制

输送带材质: 食品级防黏PU皮带/链板/定制

输送带离地: 700+100mm可调节/定制

输送速度: 每分钟10~60米

输送承重: 10KG/20KG/50KG/定制

报警剔除: 检出异物报警停机/自动剔除

工作电源: AC220/230V 50/60Hz

工作环境: 温度5-35°C、湿度30%~85%

其他定制: 防水/防爆/更多接口/组合检重秤等

检测精度 Detection Accuracy

检测通道尺寸越大, 检测精度会越低, 作为参考
2515机型空机状态下过测试卡的检测精度为:

- 金属球 ϕ 0.3mm起、金属丝 ϕ 0.2*2mm起
- 玻璃球/陶瓷球 ϕ 1.0mm起

而在实际生产中的检测精度会比空机状态下的精度有所降低, 了解更多尺寸的空机精度或实际精度, 请联系我方销售, 以样品测试后为准。

Larger channel dimensions result in lower detection accuracy.

Detection accuracy of Model 2515 under no-load conditions:

- Metal ball: from ϕ 0.3 mm
- Metal wire: from ϕ 0.2 \times 2 mm
- Glass / ceramic ball: from ϕ 1.0 mm

Actual detection accuracy in production will be lower than under no-load conditions. For actual accuracy, please refer to sample testing results.

Specifications

Inspection Channel Width (mm): 250 / 400 / 500 / 600 / Custom

Inspection Channel Height (mm): 150 / 200 / 300 / 400 / Custom

X-ray Output: 80–210 kVp / 0.2–5 mA / Custom

Display: 19-inch full-color touch screen

Operating System: Windows

Operation Mode: Touch input / Mouse & keyboard / Remote control

Language: Chinese / English / Multilingual custom

Machine Material: SUS304 brushed stainless steel / Custom

Conveyor Belt Material: Food-grade non-stick PU belt / Chain plate / Custom

Conveyor Height: 700 \pm 100 mm adjustable / Custom

Conveyor Speed: 10–60 m/min

Conveyor Load Capacity: 10 kg / 20 kg / 50 kg / Custom

Alarm & Rejection: Alarm and stop on foreign object detection / Automatic rejection

Power Supply: AC 220/230V, 50/60Hz

Operating Environment: Temperature 5–35°C, Humidity 30%–85%

Other Customization: Waterproof / Explosion-proof / Extra interfaces / Combined check-weigher, etc.

生产过程中金属检出解决方案, 轻松建立金检机制、满足法规与验厂需求

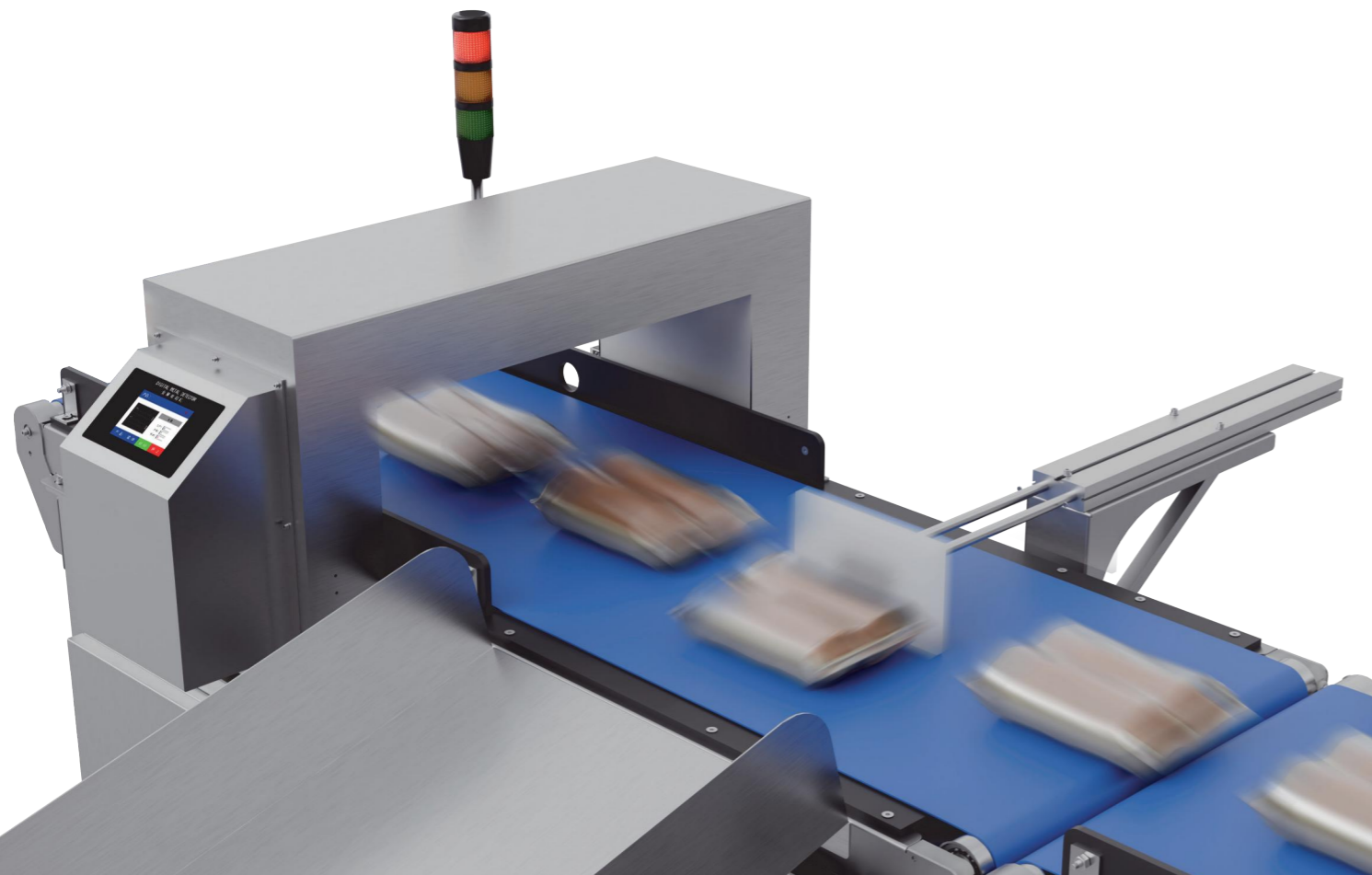
Metal Detection Solutions for Production Processes

生产过程中的金属检测机 Metal Detectors for Production Processes

金属检测机可以精准检测并剔除生产过程中混入的各类金属异物与污染产品, 有效提高产品质量与安全性。适用于原料、散料、成品、整箱与流体半流体等多应用场景。企业部署金属检测机有助于遵守行业规范、满足相关法规和客户认证要求、避免产品召回与法律风险、保护客户与消费者等。

Metal detectors can accurately detect and reject products contaminated with various metal foreign bodies during production, effectively improving product quality and safety. They are suitable for raw materials, bulk materials, finished products, full cartons, fluids and semi-fluids, among other applications.

Deploying metal detectors helps enterprises comply with industry standards, meet relevant regulations and customer certification requirements, avoid product recalls and legal risks, and protect customers and consumers.



全面检出意外混入生产中的金属异物 Comprehensive Detection of Accidentally Mixed Metal Foreign Bodies in Production

我们可提供全金属检测机与铝箔包装金属检测机两类技术和通道式、输送机式与管道式等多种形态的金属检测机, 满足生产线上绝大多数检测场景。

全金属检测机可以精准检测非金属包装的各种类型产品中的金属污染, 包括铁屑、不锈钢丝、螺丝、螺母、刀片等铁、非铁(铜、铝、锡)与不锈钢(磁性与非磁性)类全部金属异物。

铝箔金属检测机是针对铝箔包装产品而设计, 可屏蔽铝箔包装检出铁金属与磁性不锈钢, 非磁性金属则无法检测。此外若包装的铝箔材质不纯则会极大影响检测精度甚至无法进行检测, 此类情况建议选用X射线异物检测机。

We offer two technologies: standard metal detectors and aluminum foil packaging metal detectors, available in channel, conveyor, pipeline and other configurations to cover most inspection scenarios on production lines.

Standard metal detectors accurately detect metal contamination in non-metallic packaged products, including all ferrous, non-ferrous (copper, aluminum, tin) and stainless steel (magnetic and non-magnetic) foreign bodies such as iron filings, stainless steel wires, screws, nuts and blades.

Aluminum foil metal detectors are specially designed for aluminum foil packaged products. They can shield the aluminum foil effect and detect ferrous metals and magnetic stainless steel, but cannot detect non-magnetic metals.

In addition, impure aluminum foil material will greatly reduce detection accuracy or even make detection impossible. In such cases, an X-ray foreign object detector is recommended.

无论是金属检测机还是X射线异物检测机, 我们均自研自产, 价格是行业内最经济、最具性价比的那档。平均价格低于国产品牌30%、进口品牌100%以上, 高性价比的同时还能保证高品质, 确保贵司生产无忧, 真正做到物美价廉, 欢迎询价对比。

高灵敏度、稳定可靠的金属检测探头

High-Sensitivity, Stable & Reliable Metal Detection Head

金属检测探头可灵活集成于符合安装条件的生产线上, 采用电磁感应技术与先进算法, 能有效降低产品效应、提高检测灵敏度与抗干扰性。其采用不锈钢外壳搭配环氧树脂硬填充工艺, 可保障长期使用稳定可靠。提供多种操作面板选择, 产品导入操作简单易懂, 可自动学习产品最佳检测频率, 储存100种产品参数。

The metal detection head can be flexibly integrated into production lines that meet installation conditions.

Adopting electromagnetic induction technology and advanced algorithms, it effectively reduces product effect, enhances detection sensitivity and improves anti-interference performance.

With a stainless steel housing and epoxy resin hard-filled construction, it ensures long-term stable and reliable operation.

Multiple control panel options are available. Product setup is simple and intuitive; the system can automatically learn the optimal detection frequency for each product and store up to 100 product parameters.



通道式金属检测机(探头)
Channel Type Metal Detector (Probe)

坚固耐用、灵活配置的输送机系统

Sturdy, Durable & Flexible Conveyor System

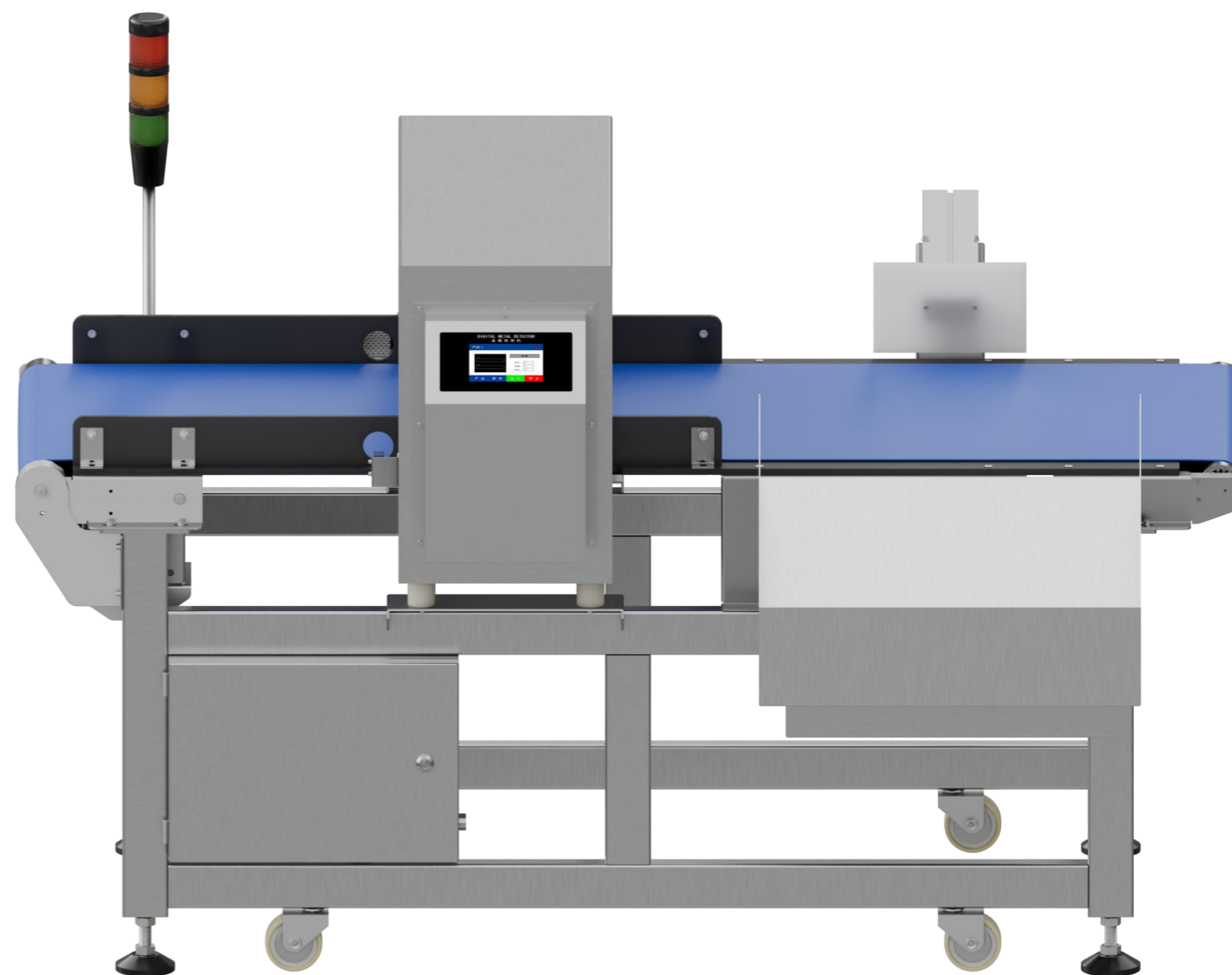
集成的输送机可依据贵司生产需求量身定制, 无缝对接产线。机架采用不锈钢打造, 结构坚固耐用, 开放式设计便于卫生清洁。配备螺栓脚杯与万向周转轮, 高度可调节, 适配性更强。标配防溢出挡边并提供食品级防黏皮带或防水板链选择。

The integrated conveyor can be customized to your production requirements for seamless line integration.

The frame is made of stainless steel with a robust, durable structure and open design for easy cleaning.

It features bolted feet and swivel castors, with adjustable height for better adaptability.

Standard anti-spill guards are included, with a choice of food-grade non-stick belts or waterproof plate chains.



输送机式全金属检测机(铝箔金属检测机仅更换探头)
Conveyor-Type Full Metal Detector
(Aluminum Foil Metal Detector only requires probe replacement)

金属检测探头规格参数

Metal Detection Probe Specifications

检测通道宽(mm): 200/300/400/500/600/定制

检测通道高(mm): 50/100/200/300/500/定制

外壳材质: SUS201/304拉丝不锈钢

交互面板: 按键液晶屏/彩色触摸屏

交互语言: 中文/英文/定制

预设产品: 自动学习储存100种产品参数

Detection Channel Width (mm): 200 / 300 / 400 / 500 / 600 / Custom

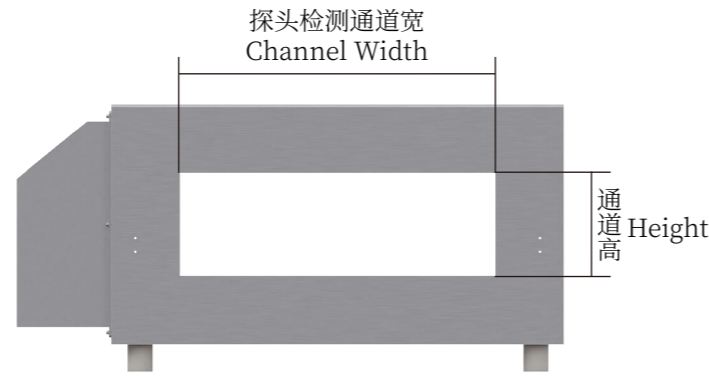
Detection Channel Height (mm): 50 / 100 / 200 / 300 / 500 / Custom

Housing Material: SUS201 / 304 Brushed Stainless Steel

Control Panel: LCD with Keypad / Color Touch Screen

Language: Chinese / English / Custom

Preset Products: Auto-learn & store up to 100 product parameters



检测精度 Detection Accuracy

检测通道尺寸越大, 检测精度会越低, 作为参考检测通道宽400mm、高100mm的4010全金属检测机空机状态下过测试卡的检测精度为:

- 铁金属Fe ϕ 0.6mm起、非铁金属NFe ϕ 1.0mm起、不锈钢SUS ϕ 1.2mm起

检测通道宽500mm、高300mm的5030全金属检测机空机状态下过测试卡的检测精度为:

- 铁金属Fe ϕ 1.5mm起、非铁金属NFe ϕ 2.5mm起、不锈钢SUS ϕ 3.0mm起

而在实际生产中的检测精度会比空机状态下的精度有所降低, 了解更多尺寸的空机精度或实际精度, 请联系我方销售, 以样品测试后为准。

Larger channel dimensions result in lower detection accuracy.

For reference, detection accuracy under empty-machine conditions using test cards is as follows:

Model 4010 (Channel W400mm \times H100mm):

- Ferrous metal (Fe): from ϕ 0.6 mm
- Non-ferrous metal (NFe): from ϕ 1.0 mm
- Stainless steel (SUS): from ϕ 1.2 mm

Model 5030 (Channel W500mm \times H300mm):

- Ferrous metal (Fe): from ϕ 1.5 mm
- Non-ferrous metal (NFe): from ϕ 2.5 mm
- Stainless steel (SUS): from ϕ 3.0 mm

Actual detection accuracy in production will be lower than under empty-machine conditions.

For empty-machine or actual accuracy of other sizes, please contact our sales team. Final accuracy is subject to sample testing.



金属检测机测试卡

Metal Detector Test Card

输送机规格参数

Conveyor Specifications

输送机长度(mm): 1330/1600/其他/定制

输送机材质: 不锈钢201/304/定制

输送带材质: 食品级pu皮带/板链/定制

输送带离地: 700+100mm可调节/定制

输送方向: 面对屏幕从左到右/从右到左/定制

输送速度: 每分钟定速28m/变速15~40m

输送重量: 15KG/60KG/定制

倾斜角度: 最大 \pm 30°

报警剔除: 检出金属报警停机/自动剔除

气压接口: ϕ 8mm

工作电源: AC220V \pm 10% 50Hz/60Hz

工作环境: 温度-18°C~50°C、湿度30%~90%

其他定制: 防水/防爆/反检/多探头/组合设备等

Conveyor Length (mm): 1330 / 1600 / Other / Custom

Conveyor Material: Stainless Steel 201 / 304 / Custom

Conveyor Belt Material: Food-grade PU belt / Chain plate / Custom

Conveyor Height from Ground: 700 \pm 100 mm adjustable / Custom

Conveying Direction: Left to right (facing screen) / Right to left / Custom

Conveying Speed: Fixed 28 m/min / Variable 15-40 m/min

Load Capacity: 15 kg / 60 kg / Custom

Tilt Angle: Max. \pm 30°

Alarm & Rejection: Alarm and stop on metal detection / Automatic rejection

Pneumatic Port: ϕ 8 mm

Power Supply: AC 220V \pm 10%, 50/60Hz

Operating Environment: Temperature -18°C~50°C, Humidity 30%~90%

Other Customization: Waterproof / Explosion-proof / Reverse detection / Multi-probe / Combined equipment, etc.



客户使用案例

Customer Cases



金属检测机客户现场使用案例

On-Site Application Cases of Metal Detectors

管道式金属检测机 Pipeline Metal Detector

专为泵抽输送的流体及半流体产品设计,可精准检测并剔除铁、非铁(铜、铝等)与各类不锈钢材质等全部金属。设备采用紧凑型结构设计,安装体积精巧,通过快速连接器可便捷集成至现有管道系统。整机选用不锈钢材质打造,经防水工艺处理,兼具坚固耐用特性与高效清洁,满足食品、制药等行业的卫生标准要求。适用于果酱、巧克力酱、肉酱、汤汁等液态及糊状产品。

Specially designed for pumped fluid and semi-fluid products, it can accurately detect and reject all metals including ferrous, non-ferrous (copper, aluminum, etc.) and various types of stainless steel.

The equipment features a compact structure with a small installation footprint, and can be easily integrated into existing pipeline systems via quick connectors. Constructed entirely from stainless steel with waterproof treatment, it is durable, easy to clean efficiently, and meets hygienic standards in food, pharmaceutical and other industries.

Suitable for liquid and pasty products such as jam, chocolate paste, meat paste, soup and sauces.

规格参数 Specifications

检测管道内径(mm): 40/50/60/80/100/定制

机体材质: 不锈钢201/304/定制

交互面板: 按键液晶屏/彩色触摸屏

交互语言: 中文/英文/定制

预设产品: 自动学习储存100种产品参数

参数设置: 自动学习/手动调节

物料温度: $\leq 100^{\circ}\text{C}$

报警剔除: 声光报警剔除, 排料时间自定义

工作电源: AC220V $\pm 10\%$ 50Hz/60Hz

其他定制: 防水/防爆/分体等

Inner Diameter of Detection Pipe (mm): 40 / 50 / 60 / 80 / 100 / Custom

Body Material: Stainless Steel 201 / 304 / Custom

Control Panel: LCD with Keypad / Color Touch Screen

Language: Chinese / English / Custom

Preset Products: Auto-learn & store up to 100 product parameters

Parameter Setting: Auto-learning / Manual adjustment

Material Temperature: $\leq 100^{\circ}\text{C}$

Alarm & Rejection: Audible and visual alarm with rejection; discharge time customizable

Power Supply: AC 220V $\pm 10\%$, 50Hz/60Hz

Other Customization: Waterproof / Explosion-proof / Split-type, etc.



高灵敏度、多频与进口金属检测机系列

High-Sensitivity, Multi-Frequency & Imported Metal Detector Series

除自主研发生产的金属检测机外,为满足客户对更高精度检测的需求,我们与行业内其他金属检测机厂商展开合作,联合推出高灵敏度、多频金属检测机。其检测精度达国际先进水平,因部分部件由我们生产和装配,成本得到有效控制,价格仅为进口设备的一半甚至更低,同样极具性价比。

针对追求世界级超高精度检测标准的客户群体,我们还代理销售意大利启亚(CEIA S.P.A)品牌的金属检测机系列。作为全球工业金属检测设备领域的头部制造商,意大利启亚研发的设备凭借行业领先的性能与卓越的稳定性,可充分满足高端金属检测场景需求。

In addition to our independently developed and manufactured metal detectors, we have cooperated with other manufacturers in the industry to launch high-sensitivity, multi-frequency metal detectors to meet customers' demands for higher detection accuracy.

Their detection precision reaches international advanced levels. Since some components are produced and assembled by us, costs are effectively controlled, and the price is only half or even lower than that of imported equipment, offering excellent cost-performance ratio.

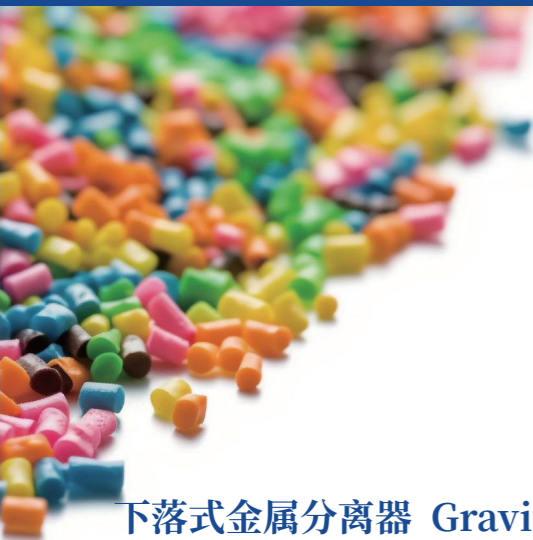
For customers pursuing world-class ultra-high precision detection standards, we also act as an agent for the metal detector series of CEIA S.P.A. (Italy). As a leading global manufacturer of industrial metal detection equipment, CEIA's machines feature industry-leading performance and exceptional stability, fully satisfying high-end metal detection applications.



金属检测机客户现场使用案例

On-Site Application Cases of Metal Detectors

颗粒粉末状散料金属检出解决方案,自由落体式分离掺杂在产品中的金属异物 Metal Detection Solutions for Granular and Powder Bulk Materials



下落式金属分离器 Gravity Fall Metal Separator

适用于自由落体的颗粒、粉末状散料中检测并分离出金属异物,检出包括铁、铜铝非铁与不锈钢等全部磁性非磁性金属,有效避免因物料掺杂金属导致的生产设备损坏或停工。其结构紧凑、易于安装,探头可集成到设备管道上。可按生产需求组合吸料机与振动筛,实现更高的生产效率与检测效果。

Suitable for detecting and separating all magnetic and non-magnetic metals—including iron, copper, aluminum, other non-ferrous metals, and stainless steel—from free-falling granular and powder bulk materials. It effectively prevents equipment damage or production downtime caused by metal contamination in materials.

The unit can be combined with vacuum loaders and vibrating screens based on production requirements to achieve higher efficiency and better detection performance.

在塑料加工行业中的应用 Application in the Plastics Processing Industry

在塑料加工过程中,金属异物会引起热流道堵塞、螺杆损坏或划花模具等诸多生产事故,严重影响生产效率与注塑成品质量。金属分离器可检测塑料颗粒、水口料、破碎回收料等物料中的铁、铜、铝、不锈钢等全部金属,有效避免注塑机、挤出机等生产设备因物料中掺杂金属异物导致损坏或停工。

During plastic processing, metal foreign bodies can cause a series of production accidents such as hot runner blockages, screw damage, or mold scratches, seriously affecting production efficiency and the quality of injection-molded products.

Metal separators can detect all types of metals including iron, copper, aluminum, and stainless steel in plastic pellets, regrind, crushed recycled materials, and other bulk materials.

They effectively prevent damage or downtime of injection molding machines, extruders, and other production equipment caused by metal contamination in raw materials.

在制药行业中的应用

Application in the Pharmaceutical Industry

特殊定制的制药型下落式金属分离器适用于药丸、药片、胶囊,冲剂颗粒以及细微药粉的金属异物检测剔除。

其检测灵敏度高、性能稳定可靠,全不锈钢材质机身、尼龙检测通道与剔除部分均使用高标准食品级材料,全面符合药品生产质量管理规范要求,为药品生产环节的质量管控提供可靠保障。

Specially customized pharmaceutical gravity-fall metal separators are used for detecting and rejecting metal foreign bodies in pills, tablets, capsules, granule preparations and fine medicinal powders.

They feature high detection sensitivity and stable, reliable performance, providing reliable assurance for quality control in pharmaceutical production.



制药型下落式金属分离器
Pharmaceutical Grade



金属分离器探头配支架
Probe with Bracket



自动上料金属分离器
Auto Feeding Type



震动下料金属分离器
Vibratory Discharge Type

断针钉与X射线检测违禁品解决方案

Solutions for Broken Needle & Nail Inspection and X-ray Detection of Contraband Goods

输送机式与无传动式检针机

Conveyor & Non-Driven Needle Detectors

输送机式检针机能够快速准确地检测服装、玩具、鞋材等产品中隐藏的铁磁性金属异物，检测到断针即报警停机或皮带反转退回。具有高灵敏、强抗干扰、稳定性高等特点。

无传动式检针机适用于无纺布、喷胶棉、床单、地毯、敷料等宽幅面料，检测到铁磁性金属异物，声光报警停机。其无复杂的传送结构，稳定可靠。

Conveyor needle detectors can quickly and accurately detect hidden ferromagnetic metal foreign objects in products such as garments, toys, and shoe materials.

When broken needles are detected, the machine alarms, stops, or reverses the belt for rejection.

They feature high sensitivity, strong anti-interference, and high stability.

Non-driven needle detectors are suitable for wide-width fabrics including non-woven fabrics, spray-bonded wadding, bed sheets, carpets, and dressings.

They trigger an audible and visual alarm and stop upon detecting ferromagnetic metal foreign objects.

With no complicated conveying structure, they are stable and reliable.



检针机(输送机式)
Needle Detector
(Conveyor Type)



输送机式使用案例
Application Cases of
Conveyor Type



无传动式使用案例
Application Cases of
Non-Driven Type

既是X射线验钉机也是安检机

X-Ray Nail Detector & Security Inspection Machine

X射线验钉机可用于服装、鞋材、手袋、箱包、玩具等产品检测断针、金属钉子等金属与非金属高密度异物。依托X射线穿透成像技术，对产品进行全方位高扫描，稳定清晰的图像可直观呈现断针、金属钉等异物位置、形状及尺寸，尤其适合产品中含有金属部件而无法使用检针机的客户选择。

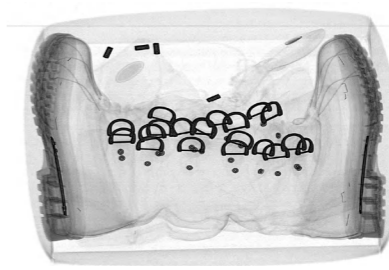
此外，其结构与安检机完全相通，并兼具安检功能，稍作调整后，可用于识别行李中的违禁品、辅助检查人员对管制刀具、枪支弹药、易燃易爆物品进行检查。

X-ray nail inspection machines are used to detect broken needles, metal nails, and other metallic and non-metallic high-density foreign objects in garments, shoe materials, hand-bags, luggage, toys and other products. Based on X-ray penetrating imaging technology, it conducts all-round high-definition scanning of products. Stable and clear images intuitively show the position, shape and size of foreign objects such as broken needles and metal nails. It is especially suitable for customers whose products contain metal components and thus cannot use needle detectors.

In addition, its structure is fully compatible with security inspection machines and also features security inspection functions. It can identify contraband in luggage and assist inspectors in checking controlled knives, guns, ammunition, flammable and explosive items.



X射线验钉机(安检机)
X-Ray Nail Detector
(Security Inspection Machine)



检测图像效果
Inspection Image Effect



客户使用案例
Customer Application
Cases

生产过程中的检重选别解决方案, 在线检验产品质量与包装完整性

Solution for Weight Checking & Sorting in Production Process

生产过程中的动态检重秤 Dynamic Checkweigher in Production Process

动态检重秤能够精准称量产线上的各类产品及大小包装, 量程从几克到几百千克。可用于包装线前后检测物品重量是否符合生产标准、核实产品净含量与包装标示重量是否一致、判断包装内产品数量是否正确、是否存在标签、盖板、干燥剂、说明书等部件缺漏情况。相较于人工称量, 动态检重秤极大地提升生产效率、节省人工成本, 并确保生产出的产品均质量适当、满足交付标准。

Dynamic checkweighers can accurately weigh various products and packages of different sizes on the production line, with a measuring range from a few grams to several hundred kilograms.

They can be used before and after packaging lines to:

- Verify whether product weight meets production standards
- Check if the net content matches the labeled weight on the package
- Determine if the quantity of products inside the package is correct
- Detect missing parts such as labels, covers, desiccants, and instruction manuals

Compared with manual weighing, dynamic checkweighers greatly improve production efficiency, reduce labor costs, and ensure all finished products are properly weighted and meet delivery standards.



高精度与稳定高效兼具 High Precision, Stability & Efficiency

设备搭载一线品牌高精度传感器及核心零部件, 配合三段式输送机结构与可调速设计, 确保检重过程稳定高效。整机机架采用全不锈钢材质打造, 抗腐蚀、耐磨损, 坚固耐用。同时配备螺栓脚杯与万向周转轮, 高度可灵活调节, 适配多种生产场景, 实用性更强。

Equipped with high-precision sensors and core components from leading brands, together with a three-section conveyor structure and adjustable speed design, the equipment ensures stable and efficient weighing.

The frame is made of all stainless steel, which is corrosion-resistant, wear-resistant and durable.

It is also fitted with bolted foot cups and universal casters, allowing flexible height adjustment to adapt to various production scenarios for enhanced practicality.



彩色触控大屏, 操作简便易上手 Colorful Touch Screen, Simple and Easy to Operate

配备7或10英寸高分辨率彩色触摸屏, 操作界面简洁直观, 支持产品自动学习功能, 生产人员可快速上手, 轻松完成设备调试与运行管理。支持生产数据实时监测、记录存储及报表导出等功能, 助力优化生产工艺, 保障产线高效稳定运行。



Equipped with a 7 or 10-inch high-resolution color touch screen, the interface is simple and intuitive. It supports automatic product learning, allowing operators to get started quickly and easily complete equipment commissioning and operation management. It supports real-time production data monitoring, recording, storage and report export, helping optimize production processes and ensure efficient and stable line operation.

提供多种尺寸与应用的动态检重秤标准机型

Standard Dynamic Checkweigher Models in Various Sizes & Applications

我们供应涵盖多尺寸规格与应用场景的标准自动检重秤机型, 适配食品、医药、日化等众多行业及各类产品检测需求。无论是小、中、大、重型产品, 还是袋、盒、箱、罐、瓶、管等包装, 均能精准检测。

We offer standard automatic checkweigher models in a full range of sizes for diverse applications, suitable for food, pharmaceutical, cosmetic and many other industries as well as various product inspection requirements.

They can accurately inspect small, medium, large and heavy products, as well as bags, boxes, cartons, cans, bottles, tubes and other packages.

检重性能 Weighing Performance

高精度50: 称重输送带宽50mm, 量程 $\leq 100\text{g}$, 精度 $\pm 0.05\text{g}$ 起, 输送速度 $20\sim 60\text{m/min}$

高精度100: 称重输送带宽100mm, 量程 $\leq 500\text{g}$, 精度 $\pm 0.1\text{g}$ 起, 输送速度 $20\sim 60\text{m/min}$

高精度150: 称重输送带宽150mm, 量程 $\leq 1\text{kg}$, 精度 $\pm 0.2\text{g}$ 起, 输送速度 $20\sim 60\text{m/min}$

通用型220: 称重输送带宽220mm, 量程 $\leq 2\text{kg}$, 精度 $\pm 0.3\text{g}$ 起, 输送速度 $20\sim 80\text{m/min}$

通用型300: 称重输送带宽300mm, 量程 $\leq 3\text{kg}$, 精度 $\pm 0.5\text{g}$ 起, 输送速度 $20\sim 80\text{m/min}$

通用型350: 称重输送带宽350mm, 量程 $\leq 5\text{kg}$, 精度 $\pm 1\text{g}$ 起, 输送速度 $20\sim 80\text{m/min}$

通用型400: 称重输送带宽400mm, 量程 $\leq 10\text{kg}$, 精度 $\pm 2\text{g}$ 起, 输送速度 $20\sim 60\text{m/min}$

大量程500: 称重输送带宽500mm, 量程 $\leq 30\text{kg}$, 精度 $\pm 3\text{g}$ 起, 输送速度 $20\sim 40\text{m/min}$

大量程600: 称重输送带宽600mm, 量程 $\leq 50\text{kg}$, 精度 $\pm 5\text{g}$ 起, 输送速度 $20\sim 35\text{m/min}$

Conveyor width: 50 mm, measuring range $\leq 100\text{ g}$, accuracy from $\pm 0.05\text{ g}$, speed: 20–60 m/min

Conveyor width: 100 mm, measuring range $\leq 500\text{ g}$, accuracy from $\pm 0.1\text{ g}$, speed: 20–60 m/min

Conveyor width: 150 mm, measuring range $\leq 1\text{ kg}$, accuracy from $\pm 0.2\text{ g}$, speed: 20–60 m/min

Conveyor width: 220 mm, measuring range $\leq 2\text{ kg}$, accuracy from $\pm 0.3\text{ g}$, speed: 20–80 m/min

Conveyor width: 300 mm, measuring range $\leq 3\text{ kg}$, accuracy from $\pm 0.5\text{ g}$, speed: 20–80 m/min

Conveyor width: 350 mm, measuring range $\leq 5\text{ kg}$, accuracy from $\pm 1\text{ g}$, speed: 20–80 m/min

Conveyor width: 400 mm, measuring range $\leq 10\text{ kg}$, accuracy from $\pm 2\text{ g}$, speed: 20–60 m/min

Conveyor width: 500 mm, measuring range $\leq 30\text{ kg}$, accuracy from $\pm 3\text{ g}$, speed: 20–40 m/min

Conveyor width: 600 mm, measuring range $\leq 50\text{ kg}$, accuracy from $\pm 5\text{ g}$, speed: 20–35 m/min

以上数据仅作参考, 准确参数与图纸请联系业务获取。

The above data is for reference only. Please contact our sales team for accurate parameters and drawings.



小量程高精度检重秤

Small-Range High-Precision Checkweigher



中量程通用型检重秤

Medium-Range General-Purpose Checkweigher



大量程重载型检重秤

Large-Range Heavy-Duty Checkweigher



规格参数 Specifications

机体材质: 标配201不锈钢/选配304不锈钢/选配碳钢/定制

皮带材质: 食品级防黏PU皮带/定制

控制系统: 高速A/D采样控制器

交互屏幕: 7/10寸彩色触摸屏

交互语言: 简体中文/繁体中文/英文/定制

预设产品: 自动学习储存100种产品参数

工作环境: 温度0°C~40°C, 湿度30%~95%

工作电源: AC220V±10%, 50Hz/60Hz

额定功率: 小量程100W、中量程150W、大量程400W

Body Material: Standard 201 stainless steel / Optional 304 stainless steel / Customizable

Belt Material: Food-grade anti-stick PU belt / Customizable

Control System: High-speed A/D sampling controller

Touch Screen: 7/10-inch color touch screen

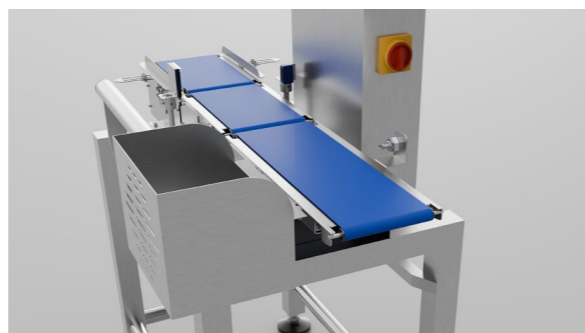
Languages: Simplified Chinese / Traditional Chinese / English / Customizable

Preset Products: Auto-learn and store 100 product parameters

Operating Environment: Temperature 0°C~40°C, Humidity 30%~95%

Power Supply: AC220V±10%, 50Hz/60Hz

Rated Power: 100W (small range), 150W (medium range), 400W (large range)



报警剔除装置 Alarm & Rejection Device

报警方式: 声光报警灯

Alarm Mode: Audible and visual alarm light

剔除方式: 气吹/推杆/定制

Rejection Mode: Air blast / Pusher / Customizable

剔除级别: 0~16级

Rejection Level: 0~16 levels

剔除收集: 无/板/斗/箱/定制

Rejection Collection: Plate / Hopper / Box / Customizable

气压接口: φ8mm

Air Pressure Port: φ8 mm

检重秤与金属检测机组合 Checkweigher & Metal Detector Combination

集成重量检测与金属检测双系统的称重金检一体机, 可同步实现产品质量管控与金属异物检测, 有效降低动态检重秤与金属检测机的综合持有成本。设备通过共用部件优化结构设计, 整体布局更趋紧凑, 相较两台独立设备可大幅缩减生产线安装空间占用。

The integrated weighing and metal detection machine combines both weight inspection and metal detection systems, enabling simultaneous product quality control and foreign metal detection. This effectively lowers the total cost of ownership of separate dynamic checkweighers and metal detectors. By sharing components and optimizing structural design, the machine features a more compact layout and greatly reduces installation space on the production line compared with two independent units.

重量分选机、分级秤

Weight Sorter & Grading Scale

通过检重秤配置更多剔除选别装置, 可针对不同重量区间的产品实施精准规格分选与等级划分。相较于传统人工称量分拣模式, 重量分选机可显著提升生产效率, 大幅降低劳动力成本。

其应用场景覆盖水产、海产、农副产品、畜禽肉类(牛、羊、鸡、鸭肉等)及工业零部件等领域, 为多行业提供在线重量分拣解决方案。

By equipping the checkweigher with additional rejection and sorting devices, it can perform accurate specification sorting and grade classification for products in different weight ranges. Compared with traditional manual weighing and sorting, the weight sorter significantly improves production efficiency and greatly reduces labor costs.

It is widely used in aquatic products, seafood, agricultural and sideline products, livestock and poultry meat (beef, lamb, chicken, duck, etc.), industrial parts and other fields, providing online weight sorting solutions for multiple industries.



单段秤、滚筒秤及定制检重解决方案

Single-Section Scale, Roller Scale & Custom Checkweighing Solutions

我们为慢速通过且无需剔除的生产场景提供单段秤, 为需依赖滚筒输送的生产线定制滚筒秤, 也可集成加装视觉检测、X射线检测、贴标机、喷码机等设备, 按需定制左右选别、多通道型、防爆型、防水型、配重组合型等各式检重秤。

We provide single-section scales for slow-speed production scenarios without rejection requirements, and custom roller scales for production lines relying on roller conveying.

We can also integrate vision inspection, X-ray inspection, labeling machines, inkjet printers and other equipment. Various checkweighers can be customized according to needs, including left/right sorting, multi-channel, explosion-proof, waterproof, and counter-weight combination types.



从左到右机型依次为: 称重金检一体机、单秤台检重秤、单秤台滚筒秤、下落式(书本)检重秤
From left to right, the models are: Integrated Weighing & Metal Detector, Single-Platform Checkweigher, Single-Platform Roller Checkweigher, Drop-type (Book) Checkweigher

多工位多头称重、组合目标重量 Weighing combination target weight

组合多头秤

设定目标重量, 产品通过多个独立的称重斗进行检重组合, 最终使得总重量接近目标重量, 适用于糖果、花生、休闲食品、宠物食品、薯片、坚果、果冻、饼干、面包、咖啡豆、茶叶、味精、小颗粒或小五金件等产品的定量组合称重。



Combination multi head scale

Set the target weight, and the product is checked and combined through multiple independent weighing buckets to ultimately make the total weight close to the target weight. It is suitable for quantitative combination weighing of products such as candy, peanuts, snacks, pet food, potato chips, nuts, jelly, biscuits, bread, coffee beans, tea, monosodium glutamate, small particles or hardware.

多工位配重秤

设定目标重量, 产品通过多个独立的称重段进行检重组合, 最终使得总重量接近目标重量, 适用于流动性不好的大块状、条状、茎状物料。水产配重: 海参、鲍鱼、花蛤、牡蛎、鱼片、鱼块等
禽肉配重: 鸡翅、鸡腿、鸭脖、鸭爪、牛排、肉干等
果蔬配重: 榴莲肉、柠檬、土豆、西兰花、橙子等
熟食配重: 烧鸡、卤猪肉、猪蹄、卤鹅、猪耳朵等



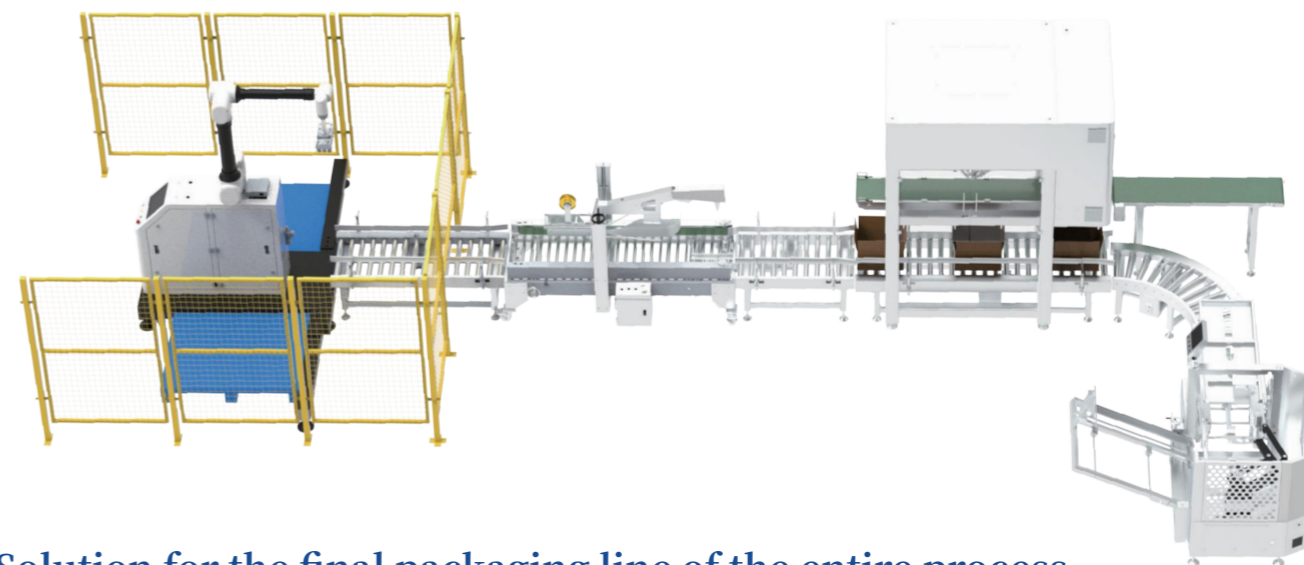
Multi station counterweight scale

Set the target weight, and the product is checked and combined through multiple independent weighing sections to ultimately achieve a total weight close to the target weight. Suitable for bulk, strip-shaped, and stem shaped materials with poor fluidity, such as seafood, poultry, fruits and vegetables, cooked food, etc.

后段自动开箱、装箱、封箱、码垛整线方案 Backend packaging assembly line solution

一站式提供开箱、装箱、封箱、码垛及包装、标识、检测等全流程后段包装线解决方案

我们深刻洞察各行业对后段包装的多样化需求, 通过联合优质合作厂商, 构建以开箱机、装箱机、封箱机、码垛机器人为核心, 配套称重机、金属检测机、X光异物检测机、贴标机、喷码机、各类包装机、打包机等全品类设备的一站式后段包装整线解决方案。方案自规划设计阶段起, 便严格把控设备品质与适配性, 其中衔接的传送及检测环节, 均由衡天下自研生产。相较于传统分散采购模式, 我们将依据贵司实际生产需求定制专属整线方案, 确保各设备无缝衔接与高效协同, 并提供统一化售后服务, 助力贵司的生产流程更智能、高效、稳定。



Solution for the final packaging line of the entire process

We deeply understand the diverse end-of-line packaging needs across various industries. By collaborating with high-quality partners, we have built a one-stop turnkey solution for end-of-line packaging, centered on core equipment such as case erectors, carton packers, case sealers, and palletizing robots. This solution is complemented by a full range of supporting equipment including weighers, metal detectors, X-ray inspection machines, labeling machines, inkjet printers, and packaging machines.

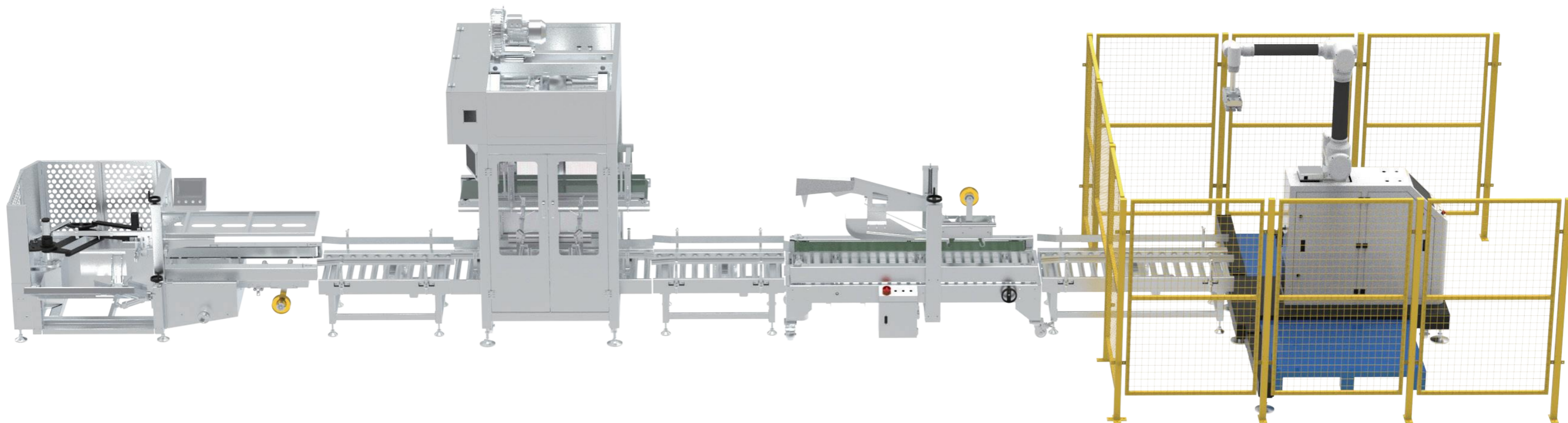
We will customize an exclusive full-line solution based on your actual production needs, ensuring seamless connection and efficient collaboration between all equipment. In addition, we provide unified after-sales service to help your production process become more intelligent, efficient and stable, and fully support your business development.

整线概述 Complete Line Overview

生产线结构紧凑, 占地空间小适用范围广, 适用于各类软袋、盒装、瓶装、大规格枕包或其他产品自动化生产。
The production line has a compact structure and small floor space, with a wide application range. It is suitable for the automated production of various products such as soft bags, boxes, bottles, large-sized pillow packs, or others.

整线产能 Complete Line Capacity

一般3-20箱/每分钟, 可按需求定制。
Generally 3-20 cartons per minute, customizable.



开箱机 case erecting

整机配合机械手或伺服电机开箱, 自动化程度高; 设备操作方便, 易维护; 使用过程平稳, 低噪音, 不损坏纸箱。
Equipped with a robotic arm or servo motor for automatic carton opening, featuring a high degree of automation. The equipment is easy to operate and maintain; it runs smoothly with low noise and does not damage cartons during use.

装箱机 case packer

适用于各类产品的装箱作业, 可实现物料整层精准处理, 装箱效率高, 占用空间小, 且动作柔和, 能有效避免产品损坏。
Suitable for cartoning operations of various products. Enables precise layer-by-layer handling of materials, high packing efficiency, and small space occupation. Gentle movements effectively prevent product damage.

封箱机 Sealing machine

兼具经济高效、轻巧耐用的特点, 且操作简便、易维护。运行平稳流畅, 使用稳定且寿命长, 封箱效果平整、规范、美观。
It is economical, efficient, light-weight and durable, with simple operation and easy maintenance. It runs smoothly and stably with long service life, delivering flat, standard and attractive carton sealing results.

协作码垛机器人

Collaborative Palletizing Robot Workstation

替代人工完成高强度码垛任务。操作简单, 一键启动, 稳定高效, 可靠耐用。占地小, 支持随意拖拽移位, 可24小时不休, 堆垛精准整齐。
It replaces manual labor to complete high-intensity palletizing tasks. Simple operation, one-key start, stable and efficient, reliable and durable. Small footprint, supports free movement and relocation, can work 24/7, and stacks accurately and neatly.

包装流程与可配套设备 Packaging Process and Supporting Equipment

标准化流程: 自动开箱 → 自动装箱 → 自动封箱 → 机器人码垛。

可配套设备: 动态称重机、金属检测机、X光异物检测机、包装机、打包机、贴标机、喷码机、扫码枪等。

Automatic Case Unpacking → Automatic Case Packing → Automatic Case Sealing → Robotic Palletizing. Supporting equipment includes dynamic checkweighers, metal detectors, X-ray foreign object detectors, packaging machines, strapping machines, labeling machines, inkjet printers, Barcode Scanner, etc.