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### 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

### 我们生产销售产品检测设备,并提供相配套的包装线设备与整线定制方案

提供的产品检测设备包括: 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、定量组合秤等。

可配套的包装线设备包括: 各式包装机、喷码机、开箱机、装箱机、封箱机、贴标机、码垛机等。

为客户提供真正兼具高性价比与高品质的产品及服务,是衡天下大信的品牌使命与立身之本。我们对方案报价与产品品质充满信心,诚邀您询价对比、洽谈合作。



### 提供样品测试与上门勘察服务

我们诚邀您携样品至衡天下大信工厂现场测试,或通过寄送样品进行视频测试,凭借实测数据精准评估设备精度与运行效率。同时,可安排业务工程师实地考察贵司生产环境,量身定制解决方案。

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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

产品册版本 Product brochure version 06/2025

## 关于我们

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 com-  
petitive 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。他带领着一支由近五十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. It leads a team of nearly fifty experienced technical experts and energetic young people. 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 200 units.



超 9500 m<sup>2</sup> 生产装配车间 Production workshop covers an area of over 9500 square meters

## 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200台。

## 成功合作客户超 2000 家

截至2025年6月,衡天下大信在28个月内累计服务客户超2000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 2000 clients

As of June 2025, we have served over 2000 customers in 28 months, providing cost-effective and high-quality production line product testing and whole line supporting solutions for various industries. At present, we have established long-term and stable cooperative relationships with leading brand factories in the industry such as Xufuji, Nestle, Jiaduobao, Weilong, Midea, Haier, etc. With excellent equipment performance and reliable quality, we have successfully adapted to various complex production scenarios. We focus on high cost-effectiveness, which can easily meet regulatory standards and factory inspection requirements, and help enterprises achieve efficient transformation from manual to automation. By improving production efficiency, reducing labor costs, and building a product quality and safety defense line for customers, we promote a more intelligent, efficient, stable, and reliable production packaging process.



客户参观工厂 Visiting a Factory



上门调试培训 On site debugging training

## 生产过程中的检重选别

# Weight detection in production

### 在线检验产品重量与包装完整性

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。动态检重秤相较于人工称量，极大的提升生产效率、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。

### Online inspection of product weight and packaging integrity

The dynamic weighing scale can accurately weigh various products and packaging sizes on the production line, with a range from a few grams to several hundred kilograms. It can be used to check whether the weight of items before and after the packaging line meets production standards, verify whether the net content of the product is consistent with the weight indicated on the packaging, determine whether the quantity of products inside the packaging is correct, and whether there are missing parts such as labels, cover plates, desiccants, and instructions. Compared to manual weighing, dynamic weighing scales greatly improve production efficiency, save labor costs, and ensure that the products produced are of appropriate quality and meet delivery standards.



### 高精度、稳定可靠、操作简便易上手

采用一线品牌高精度传感器与零部件，精度高误差小；整机采用全不锈钢材质打造，具备出色的抗腐蚀与耐磨性能；三段式结构设计搭配可调速输送机，实现稳定高效的动态检重。配备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，保障产线高效运行。

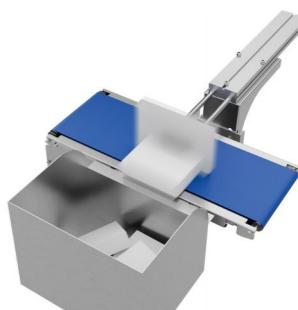
### High precision, stable and reliable, easy to operate and user-friendly

Adopting high-precision sensors and components from top tier brands, the entire machine is made of stainless steel material, and the three-stage structural design is matched with a variable speed conveyor to achieve stable and efficient precision weight inspection. Equipped with a color touch screen, the operation interface is simple and intuitive, supporting self-learning, real-time monitoring, record storage, and report export functions. Production personnel can quickly get started and easily complete equipment debugging and operation management.



### 产品不合格报警剔除

检重秤标配声光报警灯，提供多种剔除与收集方式，可准确地将不合格产品剔出产线，确保流出的产品均符合生产标准和包装要求。



### Unqualified alarm removal

Equipped with sound and light alarm lights as standard, it provides multiple ways to remove and collect non-conforming products accurately from the production line.

## 小量程高精度检重秤

适用于小件及小重量产品与包装检重的小量程高精度检重秤,其称重段输送带标准宽度范围为 30 厘米至 200 厘米,称重精度最高可达 0.05 克。该设备专为小型、轻质物品设计,可精准测定产品重量是否符合生产标准,严格核对产品净含量与包装标示重量的一致性。同时,能够有效判别包装内产品数量是否准确,以及标签、盖板、干燥剂、说明书等部件是否存在缺漏情况。



## High precision Checkweigher

The width range of the weighing conveyor belt is 30 to 200 centimeters, with an accuracy starting from 0.05 grams. Accurately detect the weight of small and lightweight items, verify whether the net content is consistent with the packaging label, and determine whether the quantity of products inside the packaging is correct and whether there are any missing parts.

## 中量程通用型检重秤

中量程通用型检重秤满足常规尺寸与重量产品及包装检重需求,可应用于绝大多数应用场景。其称重段输送带标准宽度在 220 厘米至 400 厘米之间,称重精度最高为 0.3 克。此款检重秤具备高度尺寸通用性,可满足大多数物品的检重需求。凭借高效的检测性能,它能够快速判定物品重量是否达标,精确核验包装内产品数量,以及检查盖板、干燥剂、说明书等部件的完整性。

## 大量程重载型检重秤

大量程重载型检重秤主要用于大体积、大重量产品及整箱检重。称重段输送带标准宽度在 450 厘米至 600 厘米,可根据生产实际需求定制更大规格尺寸,称重精度为 2 克起。重载型检重秤可精准检测大体积、大重量物品的重量是否符合标准,有效判断大袋包装或整箱货物是否存在缺件、缺包、缺盒、缺罐、缺瓶等异常情况。

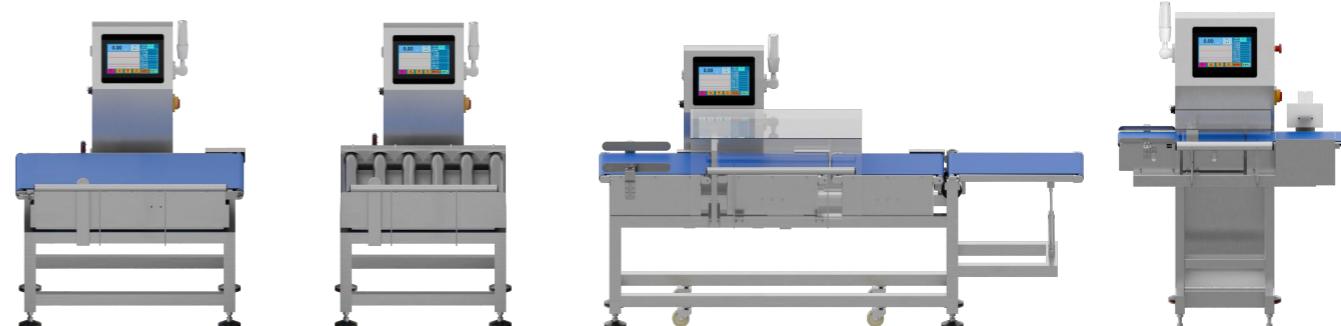


## general use Checkweigher

The width of the weighing section conveyor belt is 220 to 400 centimeters, with strong dimensional versatility and an accuracy starting from 0.3 grams. Suitable for checking whether the weight of most items meets the standard, verifying the quantity of products inside the packaging, and checking whether the cover plate, desiccant, instruction manual and other components are complete.

## 单段秤、滚筒秤及定制化检重解决方案

我们为慢速且无需剔除的客户提供单段秤,为需采用滚筒输送的客户定制滚筒秤,也可根据贵司的生产线需求进行定制左右选别、多通道型、防爆型、防水型等各式检重秤。



单段式、滚筒式、下落式、立式检重秤 Single section, drum, falling, vertical Checkweigher

## Large scale Checkweigher

The conveyor bandwidth of the weighing section starts from 450 centimeters and supports customization of larger specifications with an accuracy of 2 grams or more. It can detect the weight of large volume and heavy items, and determine whether there are missing parts, boxes, bottles, and other issues with large bags or whole boxes of goods.

## More customized Checkweigher

We offer single-stage scales, drum scales, and can also customize various weighing scales such as multi-channel, explosion-proof, waterproof, etc.

## 产品按重量区间分级分选 Products are sorted by weight range

### 重量分选机 / 分级秤

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。



### Products are classified and sorted by weight range

Checkweigher can implement precise specification sorting and grading for products in different weight ranges by configuring more removal devices. Compared to the traditional manual weighing and sorting mode, this equipment can significantly improve production efficiency and significantly reduce labor costs. Its application scenarios cover aquaculture, seafood, agricultural and sideline products, livestock and poultry meat, and industrial components, providing weight sorting solutions for multiple industries.



禽肉重量分选 Poultry weight sorting



水果重量分选 Fruit weight sorting

## 检重秤与金属检测机或与更多设备组合 Checkweigher various combinations

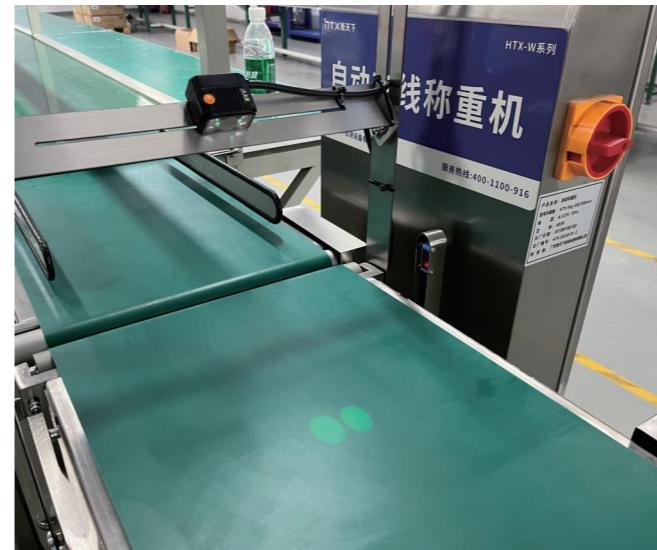
### 检重秤与金属检测机组合

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。



### Combination of weighing scale and metal detection machine

The weighing and metal detection integrated machine, which combines weight detection and metal detection systems, can simultaneously achieve product quality control and safety testing, significantly reducing the comprehensive holding cost of dynamic weighing scales and metal detection machines. The equipment optimizes its structural design through shared components, resulting in a more compact overall layout. Compared to two independent devices, it can significantly reduce the installation space occupation of the production line.



称重组合扫码 combination Scan the code

### 检重秤与更多设备的组合

检重秤可为各类设备提供一个便利的集成平台, 我们可按需加装视觉检测、X射线异物检测、贴标机、喷码机等。

### Combination with other devices

The weighing scale can provide a convenient integrated platform for various devices, and we can install visual inspection, labeling machines, inkjet printers and other equipment as needed.

# 生产过程中的金属检出

## Metal detection in production

### 全面检出金属污染, 以高性价比建立检测金属检测机制、轻松满足法规与验厂要求

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污染与污染产品, 有效提高产品质量与安全性。适用于原料、散料、成品及整箱等多应用场景, 检出包括铁屑、钢丝、螺丝、螺母、刀片等铁、非铁(铜、铝、锡等)与各类不锈钢材质的全部金属类型。

企业部署金属检测机不仅有助于严格遵循行业规范、满足法规标准及客户验厂认证要求, 更能通过前置化风险防控避免产品召回、法律纠纷等潜在损失, 切实保障消费者权益与品牌声誉。

### Fully detect metal foreign objects

Metal detection machines can accurately detect and eliminate metal pollutants and contaminated products mixed in the production process, effectively improving product quality and safety. Suitable for multiple application scenarios such as raw materials, bulk materials, finished products, and whole boxes, detecting all metals including iron, non-ferrous (copper, aluminum, tin, etc.), and various stainless steel materials. Deploying metal detection machines in enterprises helps to strictly comply with industry standards, meet regulatory standards, and customer factory certification requirements. It can also avoid potential losses such as product recalls and legal disputes through proactive risk prevention and control, safeguarding consumer rights and brand reputation.

### 高灵敏度、性能稳定的金属检测探头, 以及坚固耐用、可按需配置的输送机

金属检测探头采用电磁感应技术与先进算法, 可自学习与储存产品参数, 能够有效抑制产品效应、提高精度、抵御各种干扰信号影响。集成的输送机可按生产需求配置, 机架由不锈钢制成, 结构坚固耐用, 兼顾抗腐蚀性能与长期负载能力。

### High sensitivity detection probe and sturdy and durable conveyor

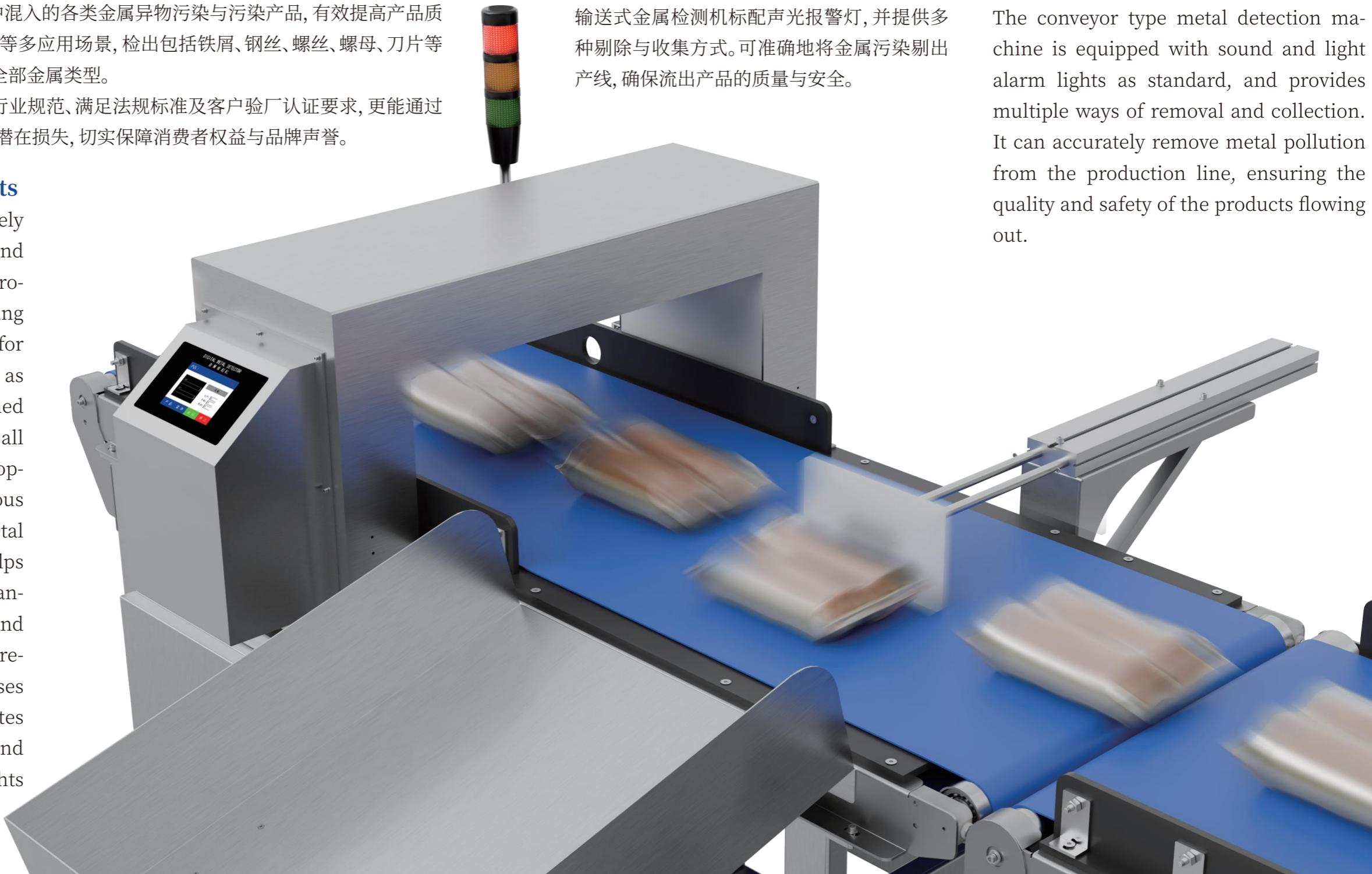
The probe adopts electromagnetic induction technology and advanced algorithms, which can self learn and store product parameters, effectively suppress product effects, improve accuracy, and resist various interference signals. The integrated conveyor can be configured as needed, and the frame is made of stainless steel, which is sturdy and durable.

### 金属异物、污染产品报警剔除

输送式金属检测机标配声光报警灯, 并提供多种剔除与收集方式。可准确地将金属污染剔出产线, 确保流出产品的质量与安全。

### Metal pollution alarm removal

The conveyor type metal detection machine is equipped with sound and light alarm lights as standard, and provides multiple ways of removal and collection. It can accurately remove metal pollution from the production line, ensuring the quality and safety of the products flowing out.





## 金属检测机探头

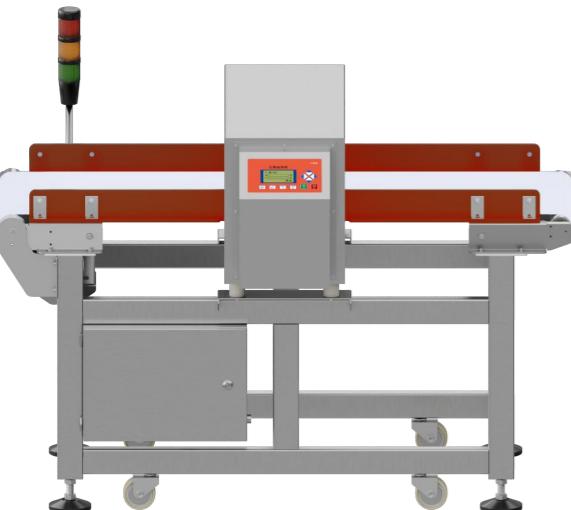
我们可提供各种尺寸与类型的金属检测机探头。其可架设在原有产线上, 检测到金属污染给出信号, 可按需提供报警灯与剔除装置。

### Metal detector probe

We can provide metal detection machine probes of various sizes and types. It can be installed on the production line, detecting metal signals and providing alarm lights and removal devices as needed.

## 全金属检测机

全金属检测机探头集成输送机系统, 适用于检测无金属包装的产品使用, 可精准检出包括含铁、非铁(铜、铝、锡等)以及各种磁性与非磁性不锈钢在内的全部金属类型, 检出金属污染报警停机或退回。



### All metal detection

The all metal detection machine probe integrated conveyor system is suitable for most product metal detection applications. It can accurately detect all metals, including ferrous metals, non-ferrous metals (copper, aluminum, tin, etc.), and various stainless steels, and detect metal contamination to trigger an alarm and stop the machine.

### Aluminum foil metal detection

The probe of the aluminum foil metal detection machine is integrated with a conveyor system, suitable for detecting products inside aluminum foil packaging. It can suppress the aluminum foil effect, accurately detect iron containing metals and magnetic stainless steel type metal foreign objects, and detect metal contamination and alarm shutdown.



## 金属检测剔除机

由金属检测机探头、输送机系统与报警剔除装置集成协同工作, 精准高效的检测并剔除生产线上金属异物与污染产品, 提供可靠的金属污染防控保障。

### Metal detection removal machine

The metal detection machine probe, conveyor system, and alarm removal device work together to accurately and efficiently detect and remove metal foreign objects and contaminated products on the production line, providing reliable metal pollution prevention and control guarantees.



客户现场安装培训 Customer usage site

## 金属反检机与按需定制金属检测机

我们提供具备反检功能的金属检测机, 可对产品实施逆向检测, 当检测到产品中不含金属时报警剔除, 满足特殊场景的质量管控需求。同时, 我们可根据生产实际应用需求, 定制双探头、斜坡式、防水型等定制型金属检测机。

### Customize more types of metal detection machines as needed

We provide metal detection machines with reverse inspection function, which can perform reverse inspection on products. When no metal is detected in the product, an alarm will be triggered to remove it, meeting the quality control requirements of special scenarios. At the same time, we can customize models such as dual probe metal detection machines, ramp type metal detection machines, waterproof metal detection machines, etc. according to the actual production application needs,

## 流体与半流体产品金属检出

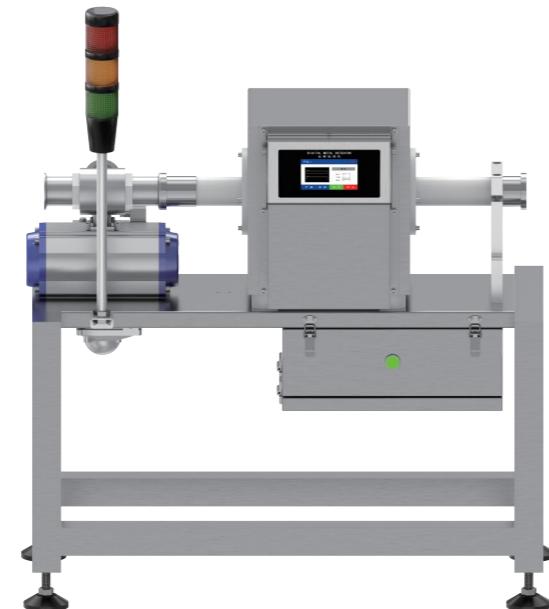
## Fluid material metal detection

### 管道式金属检测机

管道式金属检测机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、酱料等液态及糊状产品。



客户使用现场 Customer usage site



### Pipeline metal detection

Specially designed for pumping and transporting fluids and semi fluid products, it can accurately detect and remove various metal foreign objects. The equipment adopts a compact structural design, with a compact installation volume, and can be easily integrated into existing pipeline systems through quick connectors. The whole machine is constructed with stainless steel material, which has undergone waterproof treatment and combines durability and efficient cleaning, meeting the hygiene standards of industries such as food and pharmaceuticals. Suitable for liquid and paste products such as jam, chocolate sauce, meat sauce, sauces, etc.

## 更高灵敏度、更高标准的金属检测机

## Higher sensitivity metal detection

### 高灵敏度、多频金属检测机

除自主研发生产的金属检测机外,为满足高精度检测需求,我们与行业其他金属检测机厂商合作,共同推出高灵敏度的多频金属检测机。其检测精度达国际先进水平,因部分部件由我们自主生产与装配,其价格仅为进口设备的一半甚至更低,同样极具性价比。



### High sensitivity, multi frequency metal detection machine

In addition to our independently developed metal detection machines, we have collaborated with other metal detection machine manufacturers in the industry to launch high-sensitivity multi frequency metal detection machines to meet high-precision detection needs. The detection accuracy has reached the international advanced level, and its price is only 50% or even lower than imported equipment, making it highly cost-effective.

### 意大利启亚进口金属检测机系列

意大利启亚公司(CEIA S.P.A)是全球工业金属检测设备头部制造商之一,其研发的金属检测机具有行业领先的性能与出色的稳定性,可同时使用多个频率来优化对所有金属污染物的灵敏度,并通过最大限度地减少产品效应误差来减少产品浪费。

我们通过代理销售启亚的金属检测机来满足需要世界级、超高精度标准的客户需求,可提供通道式、输送式、管道式、平板式等多类型的金属检测机。



拥有世界级的灵敏度、具有高抗干扰和高稳定性的启亚金属检测机系列

## 下落式金属分离器

## Falling metal separator

### 颗粒、粉末状散料金属分离

### Particle and powder metal separation

#### 检测并分离自由落体的颗粒与粉末状散料中混杂的金属异物

下落式金属分离器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异物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。

#### Detecting metals in free falling particles and powdery bulk materials

The falling metal separator is suitable for detecting and separating metal foreign objects in free falling particles and powdery bulk materials. It can detect all magnetic and non-magnetic metals including iron, copper, aluminum, non-ferrous metals, and stainless steel, effectively avoiding production equipment damage or shutdown caused by material doping with metal foreign objects. Its structure is compact and easy to install, and the probe can be integrated into the equipment pipeline. The suction machine and vibrating screen can be combined according to production needs to achieve higher production efficiency and detection results.



金属分离器探头加支架  
Metal separator probe with bracket



金属分离器组合真空吸料机  
Metal separator combined vacuum suction machine



金属分离器组合振动喂料机  
Metal separator combined vibration feeder



#### 在塑料加工行业中的应用

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。

#### Application in plastic processing

In the process of plastic processing, metal can cause many production accidents such as hot runner blockage or screw damage. Metal separators can effectively prevent production equipment such as injection molding machines and extruders from being damaged or shut down due to metal impurities in the materials.



#### 在制药行业中的应用

制药型下落式金属分离器适用于药丸、药片、胶囊,冲剂颗粒以及细微粉末的金属异物检测与分离。其检测灵敏度高、性能稳定可靠,全不锈钢材质机身、检测通道与剔除部分均使用高标准食品级材料,符合药品生产质量管理规范要求。

#### Pharmaceutical metal separator

The pharmaceutical type falling metal separator is suitable for detecting and separating metal foreign objects in pills, tablets, capsules, granules, and fine powders. Its detection sensitivity is high, and its performance is stable and reliable. The entire 304 stainless steel body, detection channel, and rejection part all use high standard food grade materials, which meet the requirements of drug production quality management standards.

制药型金属分离器 Pharmaceutical specific

## 超强抗干扰、高灵敏检测铁磁性金属断针 Broken needle detection



### 输送式检针机

输送式检针机能够快速准确地检测服装、玩具等产品中隐藏的铁磁性金属, 检测到断针即报警停机或退回。具有抗干扰、稳定性高等特点。

### 无传动式检针机

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

## Conveyor and non transmission needle inspection machines

The conveyor needle detector can quickly and accurately detect hidden ferromagnetic metals in clothing, toys, and other products. If a broken needle is detected, it will sound an alarm and stop or return the machine. It has the characteristics of anti-interference and high stability. The non transmission needle inspection machine is suitable for wide width fabrics such as non-woven fabrics, spray bonded cotton, bed sheets, carpets, etc. If ferromagnetic metal foreign objects are detected, the machine will sound an alarm and shut down.



输送式检针机 Conveyor type



无传动式检针机 No transmission type

## 高清成像检测断针、铆钉与各类异物 Weight sorting and grading scale

### 即是X射线验钉机也是安检机

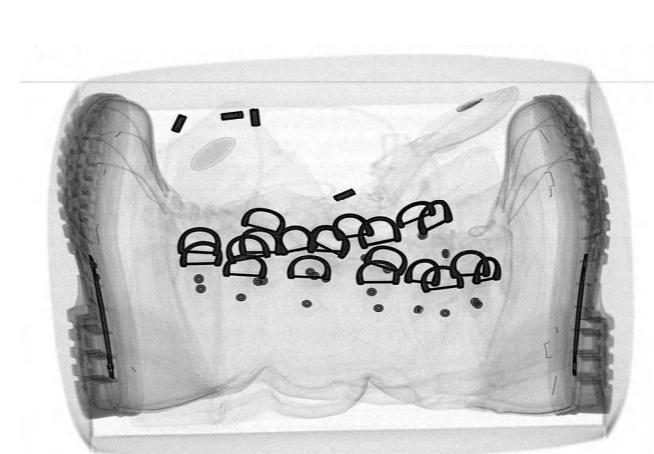
X射线验钉机可用于鞋子、手袋、箱包、玩具等产品检测断针、金属钉子等多种金属与非金属高密度异物。依托 X 射线穿透成像技术, 对产品进行全方位高清扫描, 可直观呈现断针、金属钉的位置、形状及尺寸。此外其同样兼具安检功能, 经更换程序后可用于识别行李中的违禁品。



### Both X-ray nail inspection machine and security inspection machine

The X-ray nail inspection machine can be used to detect various high-density foreign objects, including broken needles and metal nails, in products such as shoes, handbags, bags, toys, etc. By relying on X-ray penetration imaging technology, the product can be scanned in all directions with high definition, which can intuitively display the position, shape, and size of broken needles and metal nails.

In addition, it also has a security check function and can be used to identify prohibited items in luggage after changing the program.



图像效果 Image effect



客户现场 customer site

# 生产过程中的异物检出

## Production foreign object detection

### 检出多种异物, 确保产品安全与高品质

X射线异物检测机基于不同物质对X射线吸收特性的差异, 精准识别产品内部高密度异物。通过计算机生成直观图像, 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。其可检出包括金属与非金属异物(玻璃、陶瓷、石子、骨头、硬橡胶、树脂等), 且其检测精度不受铝箔包装、温度、湿度、盐分含量的影响。广泛应用于食品加工和制药行业, 有效保障产品的安全与高品质。

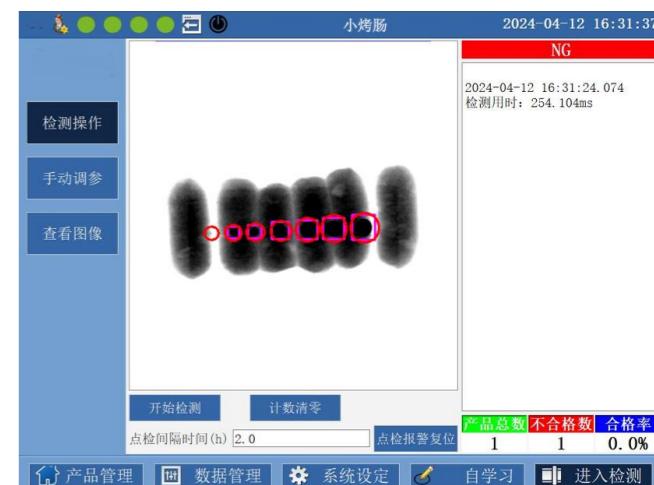
### Detect various foreign objects to ensure product safety and quality

The X-ray foreign object detection machine accurately identifies high-density foreign objects inside the product based on the differences in X-ray absorption characteristics of different substances. Generate intuitive images through computers to clearly present the shape and position of foreign objects. It can detect both metallic and non-metallic foreign objects (glass, ceramics, stones, bones, hard rubber, resin, etc.), and its detection accuracy is not affected by aluminum foil packaging, temperature, humidity, salt content, effectively ensuring the safety and high quality of the product.



### 高配置高性能、操作简便易上手

X射线异物检测机机身采用食品级304不锈钢材质, 配备可拆卸安全防护帘, 零部件均采用一流供应商, 卫生耐用配置高。搭载高精度探测器与先进算法, 细微异物无所遁形。高清彩色触摸屏搭配基于Windows系统开发的软件, 生成图像清晰、操作简便易上手。具备自动学习功能, 可根据不同产品特性自动优化检测参数, 同时能对生产检测数据分析, 生成详细报告, 便于生产过程追溯与质量管控。



软件检测界面 Detecting image interface

### High performance configuration

The body of the X-ray foreign object detection machine is made of food grade 304 stainless steel material, equipped with detachable safety curtains, and all components are sourced from first-class suppliers, with high hygiene and durability configurations. Equipped with high-precision detectors and advanced algorithms, tiny foreign objects cannot escape.



数据管理界面 Data management interface

### High definition touch screen, easy to operate and user-friendly

The high-definition color touch screen, combined with software developed based on the Windows system, generates clear images and is easy to operate and use. Equipped with automatic learning function, it can automatically optimize detection parameters based on different product characteristics, and analyze production detection data to generate detailed reports, facilitating production process traceability and quality control.

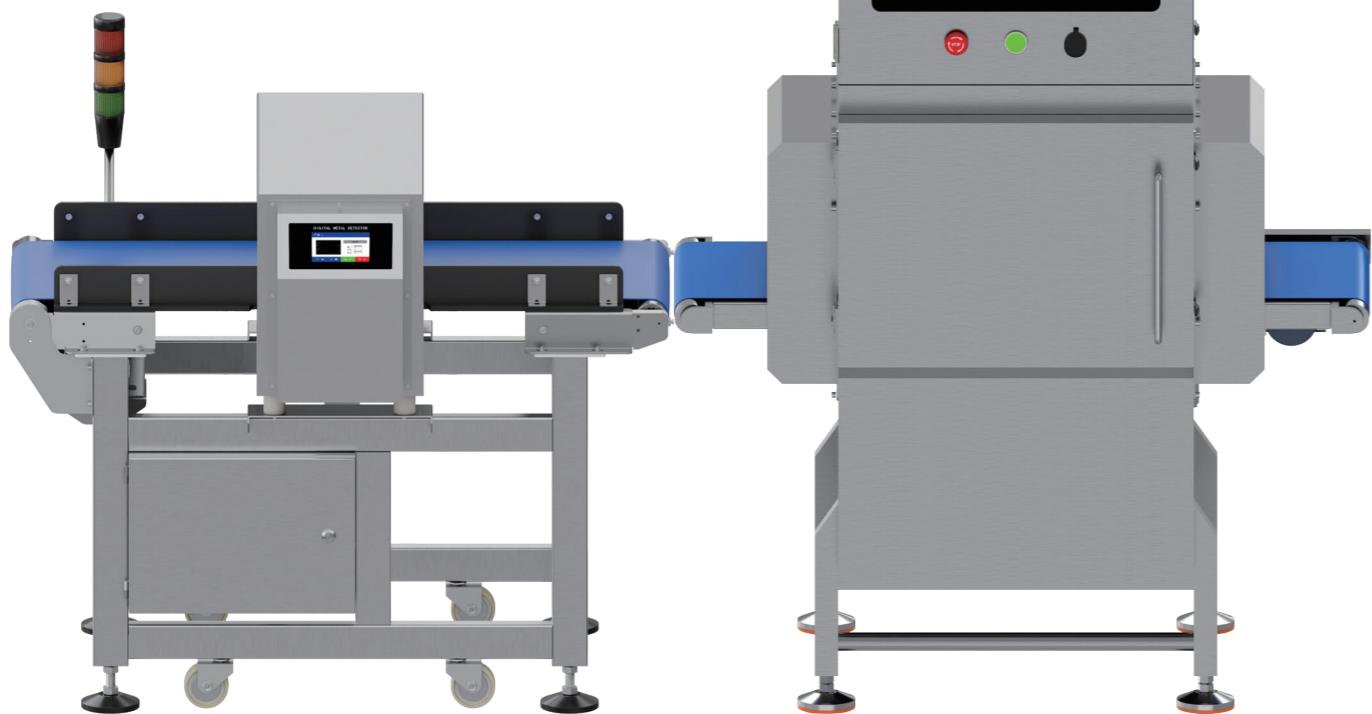
## 选择金属检测机还是X射线异物检测机,亦或是同时使用

选择设备时,需结合污染类型与产品特性:若以金属污染为主,选金属检测机,其对干燥/导电产品、非金属包装中的金属检测灵敏且成本低,但无法检测铝箔包装内非磁性金属及非金属异物;若检测金属污染外还需检测如玻璃、石头、骨头等非金属异物,选X射线异物检测机,其可检测各类高密度异物,且不受铝箔包装、温度、湿度、盐分含量的影响,但成本较金属检测机高数倍;在高风险场景可组合使用两类设备,前端用金属检测机防大金属损坏生产设备,末端用X射线异物检测机全面检测,确保产品安全与高品质。

### Choose metal detection or X-ray foreign object detection, or use both

When selecting equipment, factor in contamination type and product traits: choose a metal detector for mainly metal contaminants, as it sensitively detects metals in dry/conductive products and non-metal packaging at low cost, but misses non-magnetic metals in aluminum foil or non-metals like glass; opt for an X-ray foreign body detector to detect both metals and high-density non-metals (e.g., glass, bones) regardless of aluminum foil or environmental factors, though it costs several times more; use both in high-risk setups—metal detectors upfront to prevent equipment damage from large metals, and X-ray detectors at the end for thorough safety and quality checks.

无论是金属检测机还是X射线异物检测机,  
均为我们自主研发生产,是行业内最实惠、  
最具性价比的那档,欢迎贵司来询价对比。



金属检测机与X射线异物检测机 Metal detection and X-ray foreign object detection

## 定量组合秤、配重秤 Quantitative combination scale

### 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.

## 一站式提供产品检测、标识、包装与码垛全流程的包装生产线解决方案

## One stop solution for the entire production and packaging line process

## 检测+标识+包装+码垛全流程无缝衔接、统一售后,助力贵司生产更智能、高效与稳定

我们携手合作厂商,为您提供从产品检测、标识、包装到码垛全流程的一站式包装生产线解决方案。方案中检测设备由衡天下大信自主研发生产,其余设备涵盖贴标机、喷码机、开箱机、装箱机、封箱机、各式包装机、打包机、码垛机器人等全品类设备,满足食品、医药、日化等各行业多样化包装需求。区别于传统分散采购模式,我们的配套与整线方案根据贵司的生产需求量身定制,可确保各设备间无缝衔接、高效协同,并提供统一售后,助力贵司的生产包装流程更智能、高效与稳定。

## Detected palletizing full process production packaging line solution

We work together with our partner manufacturers to provide you with a one-stop production and packaging line solution that covers the entire process of product testing, labeling, packaging, and palletizing. The matching and whole line plan can be customized according to your company's needs, ensuring seamless connection and efficient collaboration between various equipment, and providing unified after-sales service.

## 包装机

用于产品封装。提供枕式、立式、给袋式、真空等多种类型的包装机,满足多样化包装需求。



## 喷码机

用于在产品或包装表面喷印关键信息,提供小字符、磨轮式、热转印与激光喷码机。



## 开箱机

自动将扁平纸箱板折叠成型为标准箱体。通过吸取、折叠、封底等机构运作,兼容各规格纸箱。



## 装箱机

将产品按设定数量和方式装入纸箱。可按需配备机械手臂、夹取式等结构,实现柔性装箱。



## 封箱机

完成纸箱密封。设备可自动调节适应纸箱尺寸,封箱快速牢固,保障产品运输安全。



## 贴标机

实现产品表面精准贴标。提供平面贴标机、圆瓶贴标机、曲面贴标机等,支持多种标签类型。



## 打包机

自动完成送带、捆扎、切断。适用PP、PET等捆扎带,力度可调,防止物品搬运散落。



## 码垛机器人

替代人工完成高强度码垛任务。占地小,支持随意拖拽移位,可24小时不休,堆垛精准整齐。



## packer

Provide various types of packaging machines for product packaging.

## Inkjet printer

Used to print key information on the surface of products or packaging for easy product traceability.

## case erecting

Automatically fold flat cardboard boxes into standard boxes, compatible with various specifications of cardboard boxes.

## case packer

Pack the products into cardboard boxes according to the set quantity and method.

## Sealing machine

Complete the sealing of the cardboard box. The device can automatically adjust to fit the size of the cardboard box.

## labeler

Realize precise labeling of product surfaces and support multiple types of labels.

## Packing machine

Automatically complete belt feeding, bundling, and cutting. Suitable for tying straps such as PP and PET.

## Robot Palletizer

Replace manual labor to complete high-intensity palletizing tasks, with precise and neat stacking.