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整线业务微信



整线业务微信



检测业务微信



视频案例



WhatsApp

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.

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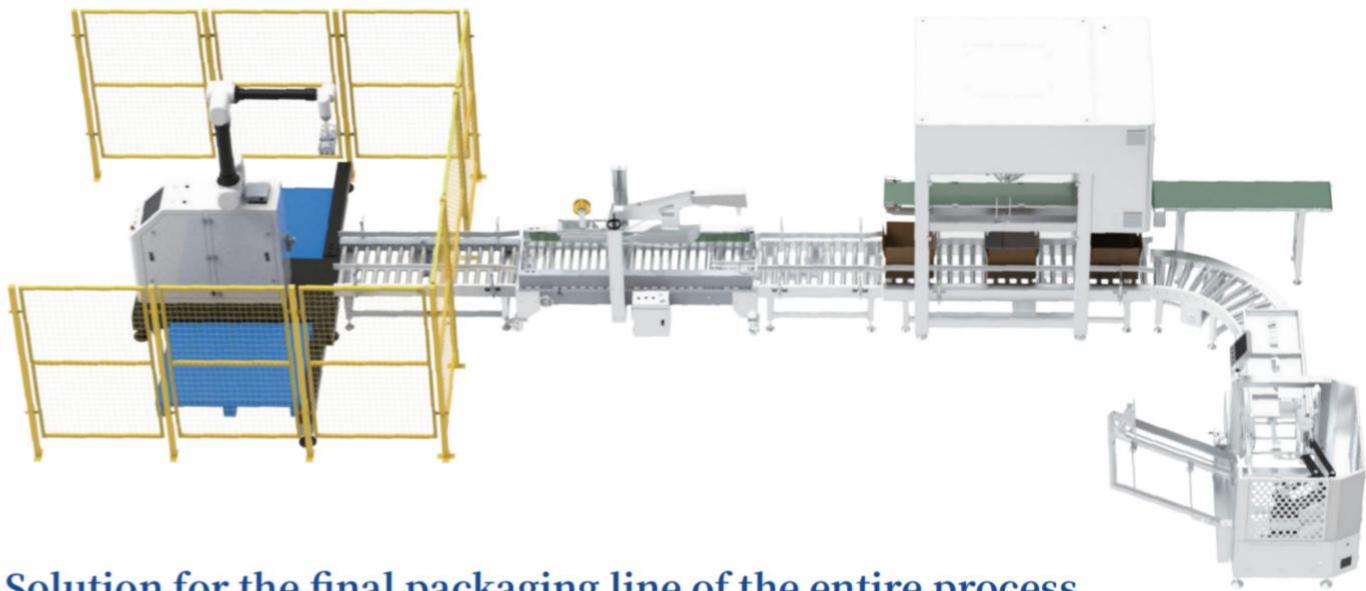
诚邀客户与经销商洽谈合作

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。

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

Partnering with top manufacturers, we offer one-stop turnkey post-packaging line solutions—centered on unpacking, packing, sealing machines and palletizing robots, plus full-range equipment like checkweighers, metal detectors, X-ray detectors, labelers, inkjet printers, packaging and strapping machines. We control equipment quality and compatibility from planning, with conveyors and inspection parts independently developed by Hengtianxia.

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, 我们可安排业务工程师实地考察贵司生产环境, 量身定制整线方案。

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产品册未包含完整的产品技术参数与图纸信息,如需获取产品详细信息与方案报价,请联系我方业务员。

The product brochure does not contain complete product technical parameters and drawing information. If you need to obtain detailed product information and quotation plans, please contact our sales staff.

您好, 我们是衡天下
Hello, we are Hengtianxia

关于衡天下检测与衡天下自动化 About Hengtianxia

广东衡天下检测设备有限公司是国内产品检测行业头部企业, 公司拥有近万平方米生产基地, 并掌握自主研发的核心技术。依托成熟完善的生产管控体系, 设备在确保优异品质的同时, 并具备显著成本优势, 能够为客户提供高品质、高性价比的产品检重与异物检出解决方案, 精准满足客户在质量管控方面的核心需求。

东莞市衡天下自动化有限公司系专为后段包装整线业务板块设立的子公司。我们联合长期合作的优质厂商, 为客户提供一站式后段包装整线解决方案。方案以开箱机、装箱机、封箱机、码垛机器人为核心, 配套检测、包装、标识等全流程设备。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, 助力客户的生产流程更智能、高效、稳定。

Hengtianxia is a leading enterprise in China's product testing industry. It has a production base of nearly 10,000 square meters and masters independently developed core technologies, enabling it to provide customers with high-quality, cost-effective solutions for product weight checking and foreign object detection. Meanwhile, we collaborate with long-term high-quality manufacturers to offer one-stop post-packaging complete line solutions. Centered on case unpackers, case packers, case sealers and palletizing robots, these solutions are supported by full-process equipment for testing, packaging and marking. All equipment achieves seamless connection and efficient collaboration, and we provide unified after-sales service to help customers realize smarter, more efficient and stable production processes.

成功合作客户超2700家 Successfully collaborated with over 2700 clients



JDB
加多宝集团



益
—TAETEA—
大益茶



裕同
YUTONG
科技



后段开箱、装箱、封箱、码垛整线解决方案

Complete Line Solution for Case Unpacking, Packing, Sealing and Palletizing

整线概述 Complete Line Overview

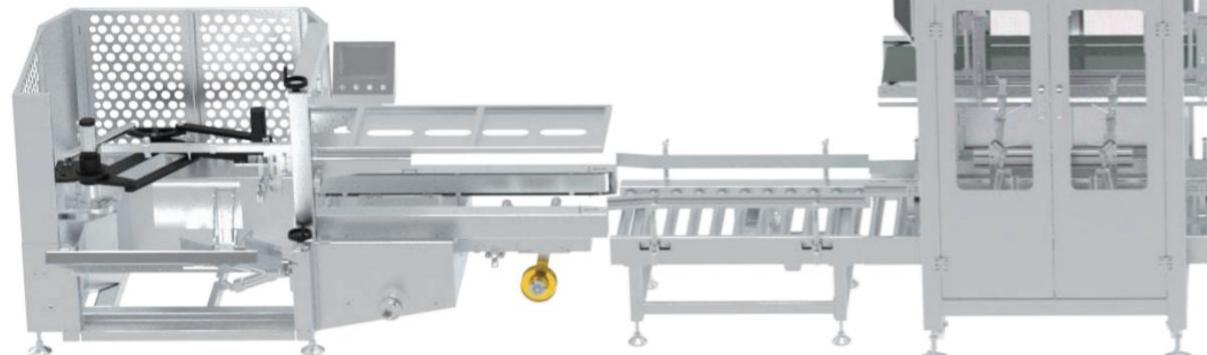
生产线结构紧凑,占地空间小适用范围广,适用于各类软袋、盒装、瓶装、大规格枕包或其他产品自动化生产。

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.



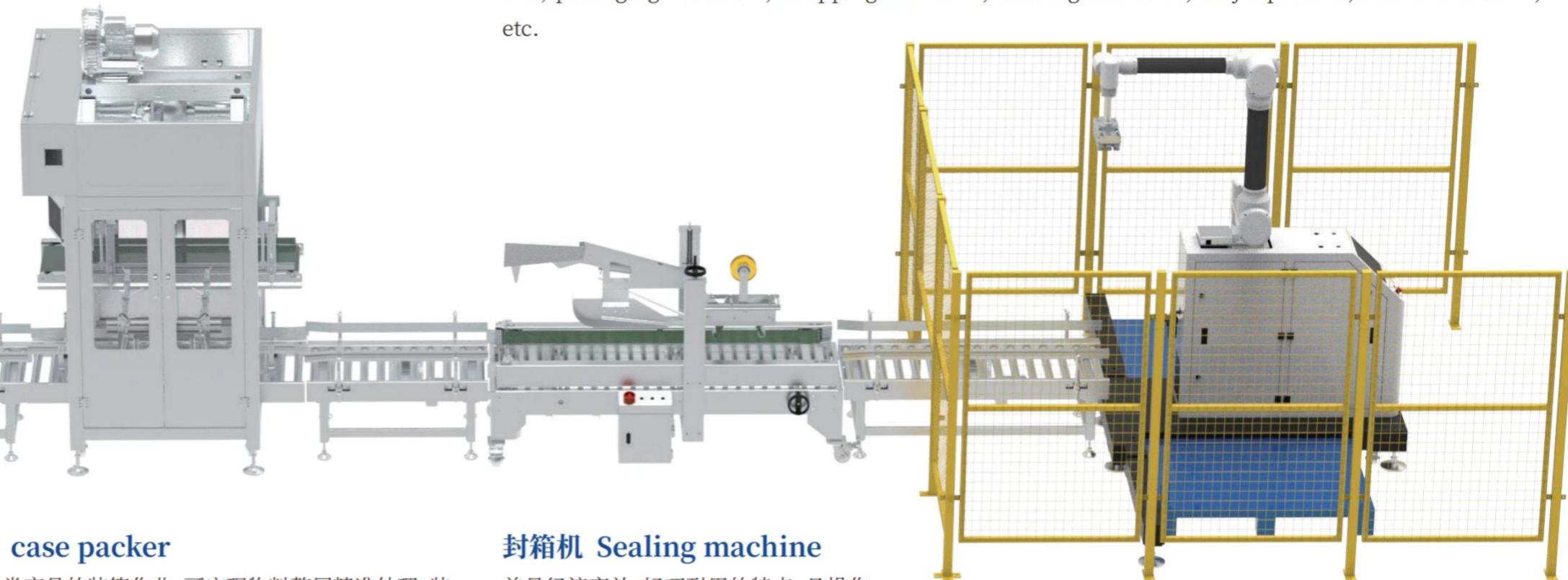
开箱机 case erecting

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。

The machine unpacks cases with a manipulator or servo motor. It is easy to operate and maintain, runs stably with low noise, and causes no damage to 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。It is suitable for carton packing of various products, enabling accurate layer-by-layer material handling. It features high packing efficiency, small space occupation, and gentle movements, which can effectively avoid 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。Cost-effective and efficient, light-weight and durable, it delivers flat, standardized and aesthetic carton sealing results.

协作码垛机器人

Collaborative Palletizing Robot Workstation

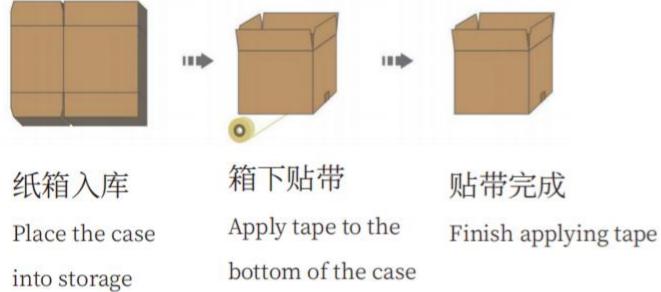
替代人工完成高强度码垛任务。操作简单,一键启动,稳定高效,可靠耐用。占地小,支持随意拖拽移位,可24小时不休,堆垛精准整齐。Replace manual labor to complete high-intensity palletizing tasks, with precise and neat stacking.

T系列机械手开箱机

T Series Robotic Case Erector



开箱流程 Case Erecting Process



产品特点 Product Features

整机配合机械手开箱, 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。



The machine works with a robotic arm for carton unpacking, with high automation. It is easy to operate and maintain, and runs stably with low noise without damaging cartons.

技术参数 Technical Parameters

纸箱尺寸(长)	Case Dimensions (Length)
175-420mm	280-500mm
85-350mm	150-400mm
150-350mm	150-400mm
5-25pcs/min	5-25pcs/min
W48/W50mm	W<60mm
6kg/cm ²	6kg/cm ²
2.4*2.0*1.4m	2.6*2.1*1.4m
550kg	620kg
220V 50Hz	220V 50Hz
2.0kw	2.0kw

T-400型 T-500型 T-650型

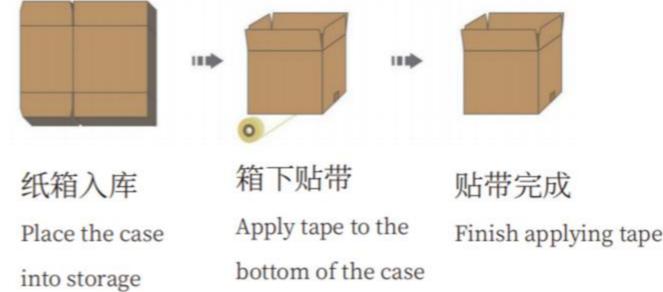
175-420mm	280-500mm	280-650mm
85-350mm	150-400mm	180-500mm
150-350mm	150-400mm	150-500mm
5-25pcs/min	5-25pcs/min	5-25pcs/min
W48/W50mm	W<60mm	W<60mm
6kg/cm ²	6kg/cm ²	6kg/cm ²
2.4*2.0*1.4m	2.6*2.1*1.4m	2.92*2.1*1.55m
550kg	620kg	750kg
220V 50Hz	220V 50Hz	220V 50Hz
2.0kw	2.0kw	2.0kw

K系列机械手开箱机

K Series Robotic Case Erector



开箱流程 Case Erecting Process



产品特点 Product Features

整机配合机械手开箱, 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。



The machine works with a robotic arm for carton unpacking, with high automation. It is easy to operate and maintain, and runs stably with low noise without damaging cartons.

技术参数 Technical Parameters

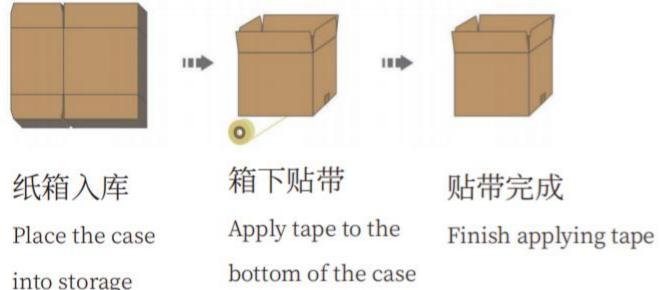
纸箱尺寸(长)	Case Dimensions (Length)	K-400型	K-500型	K-650型
175-420mm	280-500mm	175-420mm	280-500mm	280-650mm
85-350mm	150-400mm	85-350mm	150-400mm	180-500mm
150-350mm	150-400mm	150-350mm	150-400mm	150-500mm
5-30pcs/min	5-30pcs/min	5-30pcs/min	5-30pcs/min	5-25pcs/min
W48mm	W<60mm	W48mm	W<60mm	W<60mm
6kg/cm ²	6kg/cm ²	6kg/cm ²	6kg/cm ²	6kg/cm ²
2.4*2.0*1.4m	2.6*2.0*1.4m	2.4*2.0*1.4m	2.6*2.0*1.4m	2.92*2.1*1.55m
450kg	620kg	450kg	620kg	750kg
220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz	220V 50Hz
2.0kw	2.0kw	2.0kw	2.0kw	2.0kw

D系列双伺服开箱机

D Series Dual Servo Case Erector



开箱流程 Case Erecting Process



技术参数

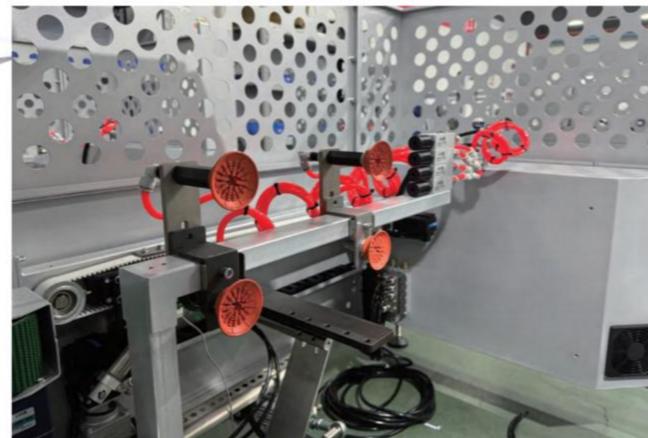
纸箱尺寸(长)	Case Dimensions (Length)
纸箱尺寸(宽)	Case Dimensions (Width)
纸箱尺寸(高)	Case Dimensions (Height)
封箱速度	Sealing Speed
适用胶带宽	Applicable Tape Width
气压源供应	Air Pressure Supply
尺寸(长*宽*高)	Dimensions (L*W*H)
机器净重	Net Weight
电源类型	Power Supply Type
总功率	Total Power

Technical Parameters

D-500型	D-650型
280-500mm	280-660mm
150-400mm	180-500mm
150-400mm	150-500mm
5-15pcs/min	5-15pcs/min
W<60mm	W<60mm
6kg/cm ²	6kg/cm ²
2.007*1.895*1.4m	2.39*2*1.34m
320kg	450kg
220V 50Hz	220V 50Hz
0.8kw	0.8kw

产品特点 Product Features

配合两伺服电机开箱, 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。



The machine uses two servo motors for carton unpacking, with high automation. It is easy to operate and maintain, and runs stably with low noise without damaging cartons.

开箱机选配箱库

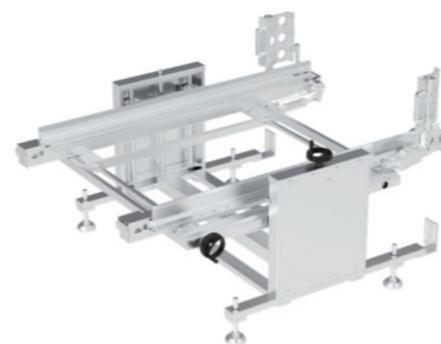
Optional Case Storage for Case Erector

性能特点 Performance Features

配合开箱机使用, 有效增加箱库存箱数量; 结构简单轻便, 易维护, 换箱无需停机; 低噪音, 使用过程平稳, 不损坏纸箱。

Used with a carton unpacker, it effectively increases the number of cartons stored in the warehouse. It has a simple and lightweight structure, is easy to maintain, and allows carton replacement without stopping. It operates quietly and stably without damaging cartons.

常规气动水平箱库 Conventional Pneumatic Horizontal Case Storage



存箱数量	Case Storage Quantity	≈100-150个
箱库长度	Case Storage Length	1500mm
可定制	customizable	
箱库净重	Case Storage Net Weight	160kg
动力类型	Power Type	气动 pneumatic
箱库尺寸	Case Storage Dimensions	L1.8*W1.22*H0.74m

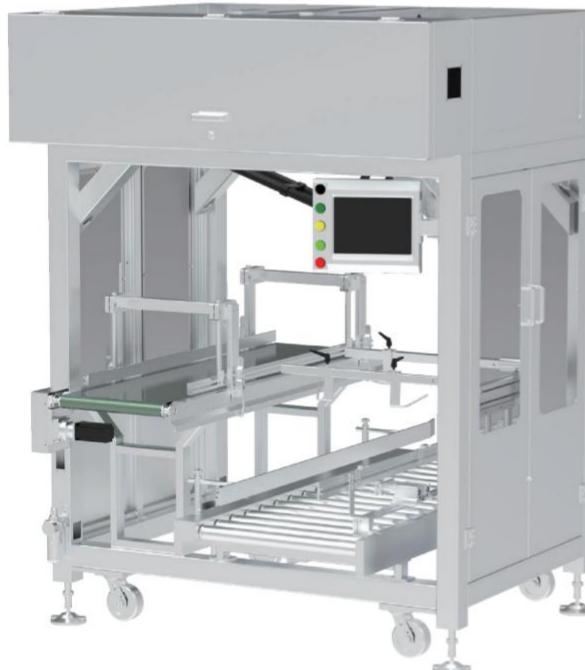
链板动力水平箱库 Chain Plate Driven Horizontal Case Storage



存箱数量	Case Storage Quantity	≈180-250个
箱库长度	Case Storage Length	1500/1800/2300mm
可定制	customizable	
箱库净重	Case Storage Net Weight	230-350kg
动力类型	Power Type	电力驱动 Electric drive
箱库尺寸	Case Storage Dimensions	L2.3*W1.3*H1.2m

ZX-500R 两轴机械手装箱机

ZX-500R Two-axis Robotic Packer



产品特点 Product Features

适用于各类大件及平整物料的装箱作业,可实现物料整层精准处理。设备前端可灵活切换,支持免编程换产与配方存储功能。整体装箱效率高,占用空间小,且动作柔和,能有效避免产品损坏。

It is suitable for cartoning operations of various large-sized and flat materials, enabling precise layer-by-layer material handling. The front and rear ends of the equipment can be switched flexibly, supporting programming-free production changeover and recipe storage. It features high cartoning efficiency, small space occupation, and gentle movements to effectively prevent product damage.

技术参数

适用产品

Technical Parameters

Applicable Product

装箱范围

Packing range

待抓料重

Weight to be picked

装箱速度

Packing Speed

气压源供应

Air Pressure Supply

尺寸(长*宽*高)

Dimensions(L*W*H)

机器净重

Net Weight

电源类型

Power Supply Type

总功率

Total Power

ZX-500R型

盒类、瓶类以及平整物料

Boxes, bottles, and flat materials

≤L500*H400*W400mm

5-16kg

≤30n/min 可选配40次

Optional 40 times

0.6-0.8MPa

L1584*W1380*H2100 mm

480kg

220v 50Hz

2.65kw

技术参数

适用产品

装箱范围

待抓料重

单次吸取数量

装箱速度

气压源供应

尺寸(长*宽*高)

机器净重

电源类型

总功率

Technical Parameters

Applicable Product

Packing range

Weight to be picked

Single Pick Quantity

Packing Speed

Air Pressure Supply

Dimensions(L*W*H)

Net Weight

Power Supply Type

Total Power

WS-1200型

食品、日用品、五金配件等

Food, daily necessities,etc.

L500*W450*H480mm

≤3kg

1-4包 packs

30-60 packs/min

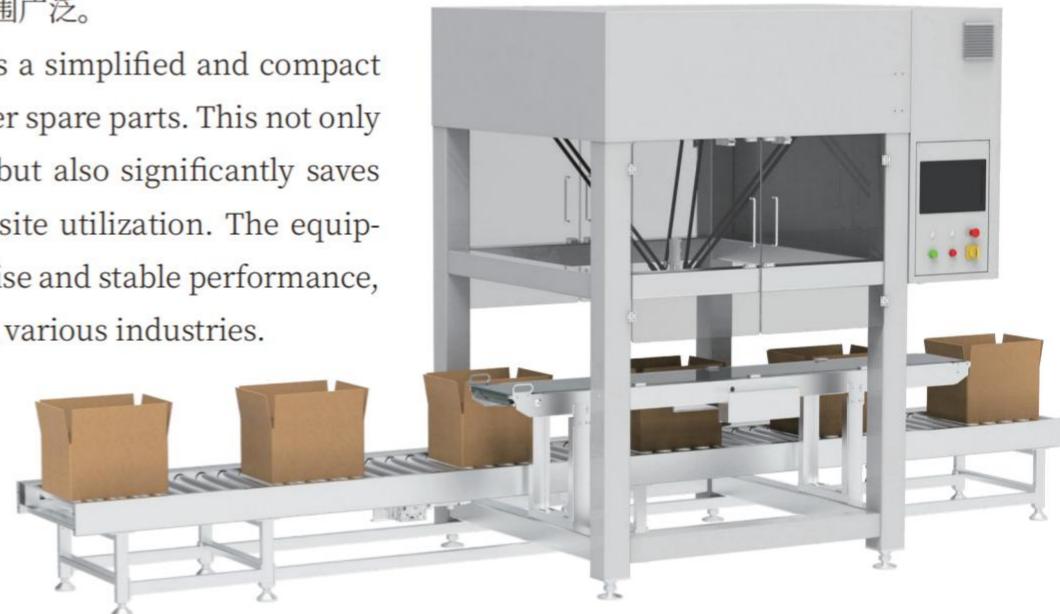
6kg/cm²

L3500*W1440*H2200mm

900kg

220v 50Hz

5kw

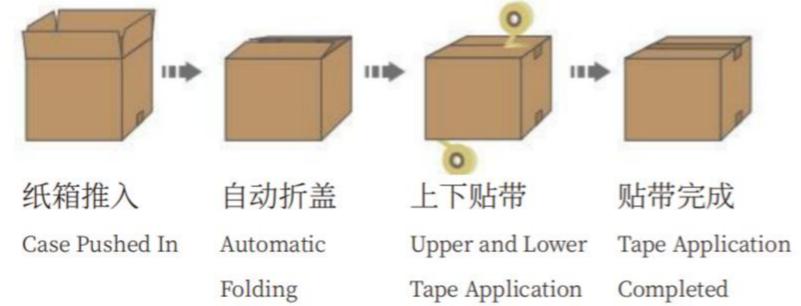


FX-500自动折盖封箱机

FX-500 Automatic Case Folder and Case Sealer



封箱流程 Sealing Process



产品特点 Product Features

规格更换时可手动调整高度与宽度;采用下两侧皮带驱动,支持流水线或单机作业。设备可自动折叠上盖,一次完成上下一字型封箱。整体结构精密坚固,运行平稳流畅,使用稳定且寿命长,封箱效果平整、规范、美观。Height and width can be adjusted manually when changing specifications. It adopts belt drive on the lower two sides and supports either assembly line or standalone operation. The machine can automatically fold the top cover and complete top-and-bottom straight-line sealing in one go. It features a precise and sturdy structure, smooth operation, stable performance and long service life, delivering flat, standard and aesthetic sealing results.

技术参数

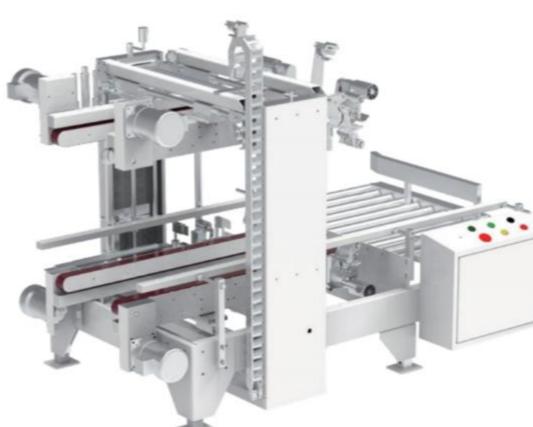
纸箱尺寸(长)	Case Dimensions (Length)
纸箱尺寸(宽)	Case Dimensions (Width)
纸箱尺寸(高)	Case Dimensions (Height)
封箱速度	Sealing Speed
适用胶带宽	Applicable Tape Width
气压源供应	Air Pressure Supply
尺寸(长*宽*高)	Dimensions(L*W*H)
机器净重	Net Weight
电源类型	Power Supply Type
总功率	Total Power

Technical Parameters

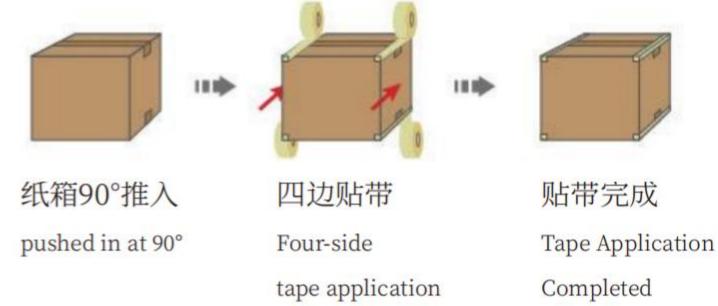
FX-500型
250-600mm
150-500mm
150-500mm
5-30pcs/min
W48/W65/W75mm
6kg/cm ²
2.0*0.84*1.65m
250kg
220V 50Hz
0.6kw

JF-500自动角边封箱机

JF-500 Automatic Corner Case Sealer



封箱流程 Sealing Process



产品特点 Product Features

设备兼具经济高效、轻巧耐用的特点,且操作简便、易于维护。能一次完成上下封箱动作,既支持单机独立作业,也可配套流水线使用。整体结构精密坚固,运行平稳流畅,使用稳定且寿命长,封箱效果平整、规范、美观。The machine combines cost-effectiveness and high efficiency, being lightweight yet durable. It is easy to operate and maintain, making it widely applicable in various industries. It can complete top-and-bottom sealing in one operation, supporting both standalone work and integration into assembly lines. With a precise and sturdy structure, it operates smoothly, ensures stable performance and long service life, and delivers flat, standard and aesthetic sealing results.

技术参数

JF-500型
Case Dimensions (Length)
Case Dimensions (Width)
Case Dimensions (Height)
Sealing Speed
Applicable Tape Width
Air Pressure Supply
Dimensions(L*W*H)
Net Weight
Power Supply Type
Total Power

MD系列协作码垛机器人工作站

MD Series Collaborative Palletizing Robot Workstation

产品特点 Product Features

操作简单,一键启动,稳定高效,可靠耐用。支持多种码垛配方,AB两款箱子可同时码垛。占地面积小,可随意移动。安全方便,人机协作,具备力学防碰撞,可搭载护栏或光栅。

It features simple operation, stable and efficient performance, and reliable durability. It supports multiple palletizing recipes and can palletize two types of boxes simultaneously. It occupies a small footprint and can be moved freely. It is equipped with a mechanical anti-collision function and can be fitted with guardrails or light curtains.



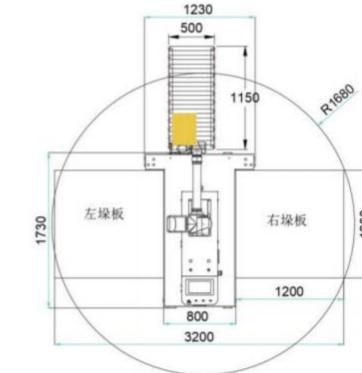
技术参数

设计臂展	Case Dimensions (Length)
最大码垛高度	Case Dimensions (Width)
设计码垛速度	Case Dimensions (Height)
机器人承重	Robot Load Capacity
最大托盘尺寸	Maximum Pallet Size
气压源供应	Air Pressure Supply
尺寸(长*宽*高)	Dimensions (L*W*H)
机器净重	Net Weight
电源类型	Power Supply Type
总功率	Total Power



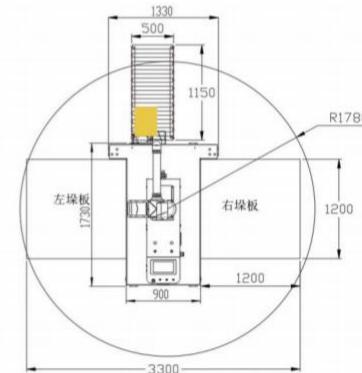
Technical Parameters MD-30型

设计臂展	Case Dimensions (Length)	1680mm
最大码垛高度	Case Dimensions (Width)	2550mm 升降柱600mm
设计码垛速度	Case Dimensions (Height)	Lifting Column 600mm
机器人承重	Robot Load Capacity	8-12n/min
最大托盘尺寸	Maximum Pallet Size	含吸具最大30kg
气压源供应	Air Pressure Supply	Including 30kg suction device
尺寸(长*宽*高)	Dimensions (L*W*H)	L1200*W1200mm
机器净重	Net Weight	0.5-0.7Mpa, 200L/min
电源类型	Power Supply Type	1230*1730*2471mm
总功率	Total Power	AC380V, 50Hz, 24V



MD-50型

设计臂展	Case Dimensions (Length)	1780mm
最大码垛高度	Case Dimensions (Width)	2650mm 升降柱600mm
设计码垛速度	Case Dimensions (Height)	Lifting Column 600mm
机器人承重	Robot Load Capacity	6-8n/min
最大托盘尺寸	Maximum Pallet Size	含吸具最大50kg
气压源供应	Air Pressure Supply	Including 50kg suction device
尺寸(长*宽*高)	Dimensions (L*W*H)	L1200*W1200mm
机器净重	Net Weight	0.5-0.7Mpa, 200L/min
电源类型	Power Supply Type	1330*1730*2602mm
总功率	Total Power	≈700kg



其他参数 Other Technical Parameters

15寸彩色触摸屏、防护等级IP54、噪音<80分贝等。
15-inch color touch screen, protection class IP54, noise level < 80 dB, etc.

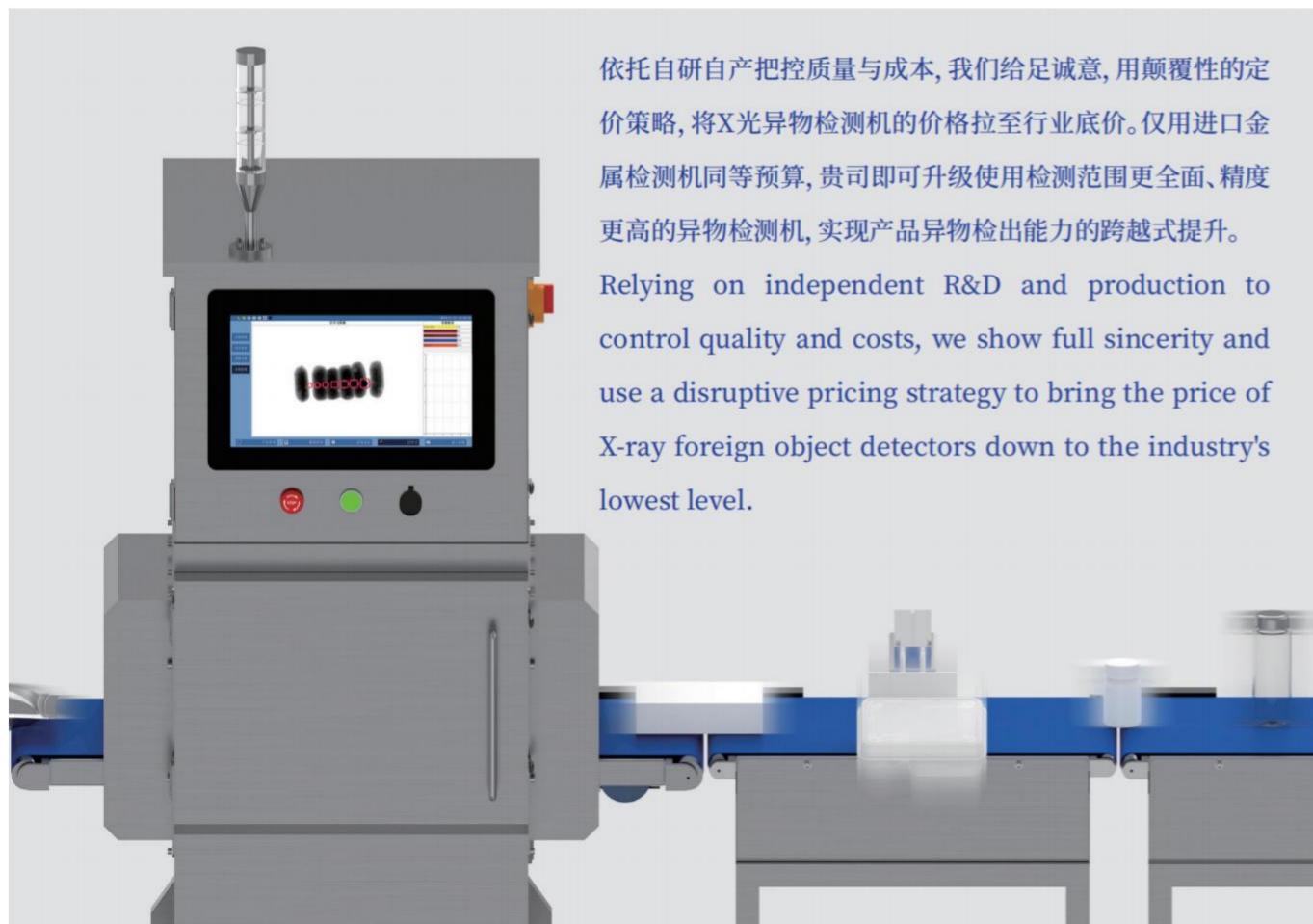
生产过程中的X光高密度异物检出

Production Foreign Object Detection

产品特点 Product Features

X光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。

X-ray foreign object detectors accurately identify high-density foreign objects inside products, based on the difference in X-ray absorption properties of different materials. They generate clear images via computers to show the shape and location of foreign objects. These detectors can detect both metallic and non-metallic foreign objects (e.g., glass, ceramics, stones, bones), and their accuracy is not affected by aluminum foil packaging, temperature, humidity, or salt content.



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光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。

Relying on independent R&D and production to control quality and costs, we show full sincerity and use a disruptive pricing strategy to bring the price of X-ray foreign object detectors down to the industry's lowest level.

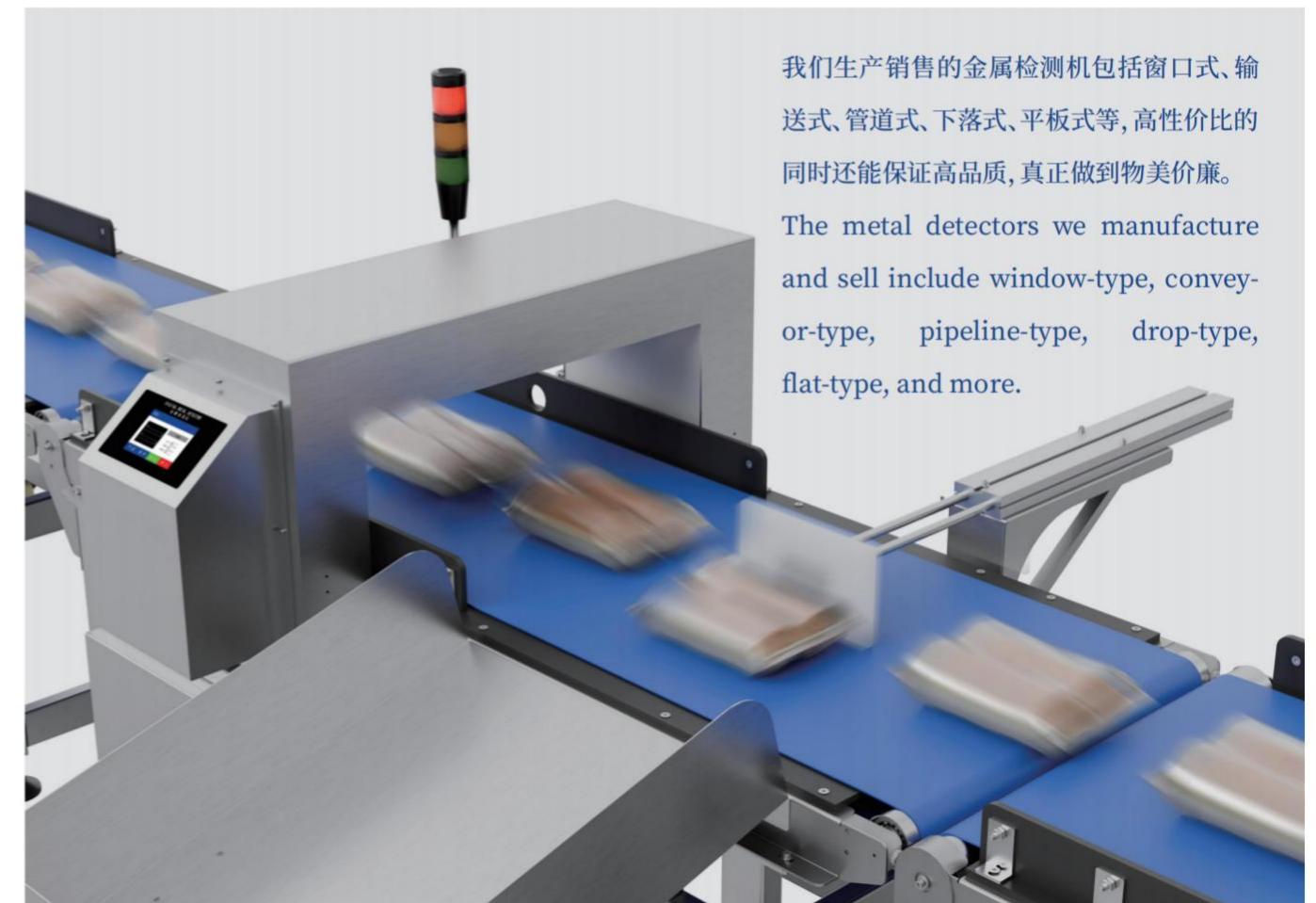
生产过程中的金属异物检出

Metal Detection In Production

产品特点 Product Features

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(铜、铝、锡等)与各类不锈钢材质的全部金属类型。

Metal detectors accurately detect and reject various metal contaminants and contaminated products mixed in during production, effectively improving product quality and safety. They are suitable for multiple scenarios including raw materials, bulk materials, finished products, and whole cartons, and can detect all metal types such as ferrous (iron filings, steel wires, screws, nuts, blades), non-ferrous (copper, aluminum, tin, etc.) and various stainless steels.



我们生产销售的金属检测机包括窗口式、输送式、管道式、下落式、平板式等,高性价比的同时还能保证高品质,真正做到物美价廉。

The metal detectors we manufacture and sell include window-type, conveyor-type, pipeline-type, drop-type, flat-type, and more.

生产过程中的动态检重选别

Weight Detection In Production

产品特点 Product Features

动态称重机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。

Dynamic weighing scales accurately measure various on-line products and packages of all sizes, with a capacity ranging from a few grams to several hundred kilograms. They are used for pre- and post-packaging line inspections to check if product weights meet production standards, verify consistency between net content and labeled weight, confirm correct product quantity in packages, and detect missing components like labels, covers, desiccants, or instruction manuals.



我们提供涵盖多尺寸规格与应用场景的动态称重机, 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 supply standard automatic checkweigher models covering multiple size specifications and application scenarios, which are suitable for the food, pharmaceutical, daily chemical and many other industries, as well as the testing needs of various products.

更多包装与标识设备

More Packaging and Labeling Equipment



包装机 packer

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。
Provide various types of packaging machines for product packaging.



贴标机 labeller

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



打带机 Tapping machine

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



喷码机 Inkjet printer

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