

技术 · 信誉 · 专注

专注于生产线后段
自动化包装解决方案



收缩膜包装 纸箱包装 产品码垛



中意隆
ZHONGYILONG

河南中意隆机械设备有限公司
Henan Zhongyi Long Machinery Equipment Co., Ltd..

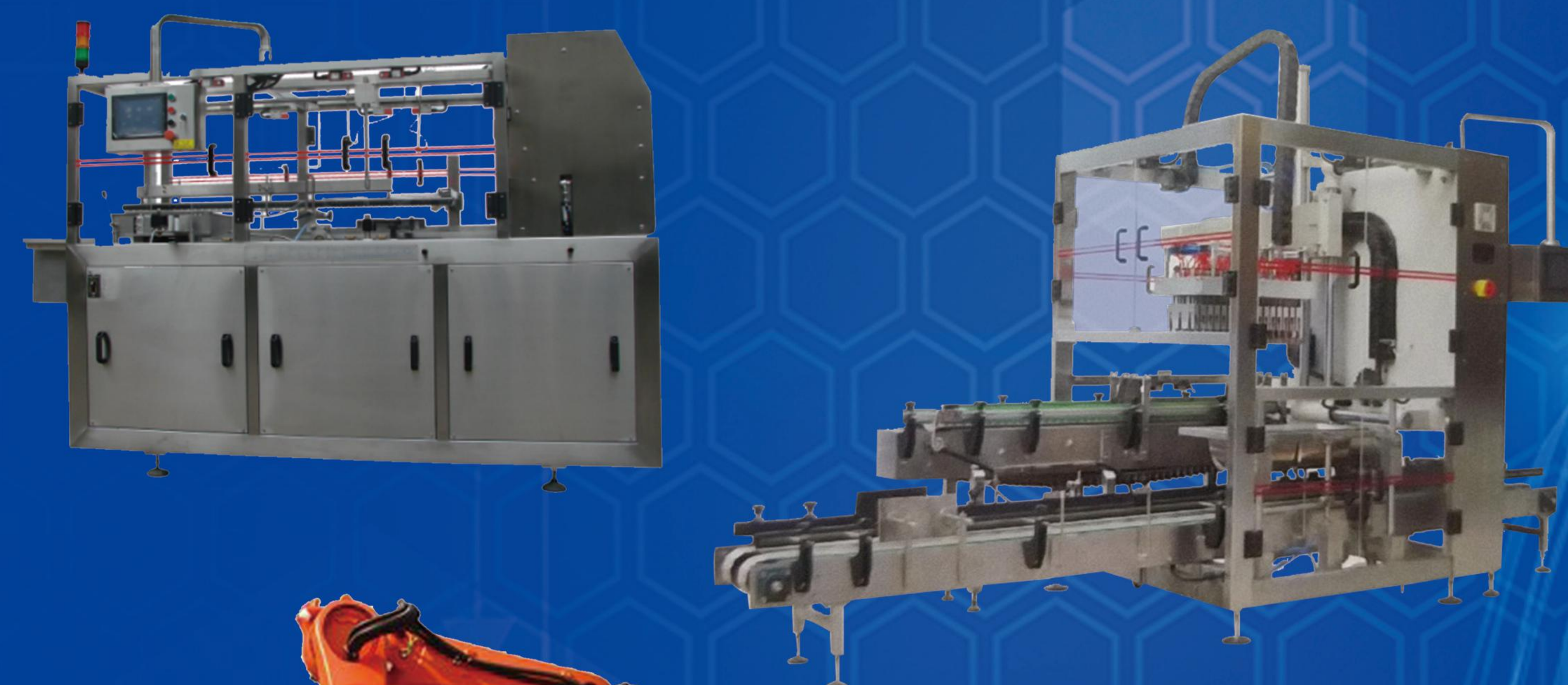
地址：河南省泌阳县南高速路口收费站向北500米路西

座机：0396-3363366

公司邮箱：zhongyilongjixie@163.com

网址：WWW.zhongyilongjixie.com

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卓越品质 值得信赖

诚信
CHENGXIN
企业简介

河南中意隆机械设备有限公司专注于食品、饮料、医药、电子产品等后段自动化包装设备的高新技术生产制造企业。公司位于国家青山绿水生态县、盘古圣地泌阳县，泌阳县历史悠久、文化积淀浓厚，自然景观、人文景观俯拾皆是，现已形成“三山两园两水一圣地”的旅游大格局。公司位于泌阳县南高速收费站向北500米路西，位置紧邻沪陕高速、许广高速、焦桐高速、京港澳高速等，交通非常便利。

公司集技术研发、产品设计、生产制造、售前售后服务为一体，为食品、饮料、医药、电子产品等后段包装提供专业的热收缩膜包装机、开箱机、装箱机、纸箱裹包机、封箱机、码垛机、输送系统等自动化解决方案。公司产品广泛应用于啤酒、饮料、纯净水、矿泉水、果汁、乳制品、调味品等食品行业和医药、电子、化工等行业。公司拥有权威工程师5名，高级工程师12名，专业技工及售后人员100余名。公司成立多年以来，依据机器设备在运行过程中的实况，不断研发创新，使得我们的设备深得广大客户的赞赏，同时也积累了丰富的行业经验，现已与国内外众多知名企业成功合作，设备运行良好，赢得了客户的一致好评。公司技术实力雄厚，可以根据客户的需求开发、定制新产品。

公司坚持以市场为导向，以科技为先行，严控质量，客户至上的经营理念，建立了完善的企业管理体系，真正做到让客户满意，让客户省心。公司还秉持尽心尽力、尽善尽美，精益求精的创新理念，努力打造我们的品牌，搭乘国家的“一带一路”快车，在更广阔的国际市场展示我们的技术实力！

Henan Zhongyi Long Machinery Equipment Co. Ltd. is specializedFor food, beverage, medicine, electronic products, etc..High-tech manufacturing enterprises of dynamic packaging equipment, public Division located in the National Qingshan Green Water Ecological County, Pangu Holy Land County, Biyang County has a long history and strong cultural accumulation. However, the landscape and the cultural landscape are full of them. Now they have formed "three Mountain, two gardens, two waters and one Holy Land "tourism pattern. Company position Yuyang County South Expressway toll station 500 meters North Luxi, location Close to Shanghai-Shaanxi Expressway, Xuguang Expressway, Jiaotong Expressway, Beijing Hong Kong and Macau High Speed, etc., the traffic is very convenient.

The company collects technology research and development, product design, production and manufacturing,Pre-sale after-sales service is integrated into food, beverage, medicine,Electronic products and other rear packaging to provide professional thermal shrink package Machine, Box opener, Box Packer, Box Packer, Box Packer,Automation solutions such as stacker and delivery system. company Products are widely used in beer, beverages, pure water, mineral Springs Water, juice, dairy products, condiments and other food industries and medical Pharmaceutical, electronic, chemical and other industries. The company owns authoritative engineering.Division 5, Senior Engineer 12, Professional Mechanic and Sales After more than 100 personnel. Since the company was founded many years ago, according toIn the process of running machinery and equipment, continuous research and development New, our equipment has won the admiration of a wide range of customers, At the same time, it has also accumulated a wealth of industry experience and is now in contact with the domestic Many well-known enterprises outside the company successfully cooperated and the equipment operated well. Has won the customer's unanimous prajise. The company is technically strong, It can develop and customize new products according to the needs of customers.

Company adhere to the market-oriented, science and Technology First, strict quality control, Customer First Business Philosophy, the establishment of a sound enterprise management system, really to satisfy customers, customers worry. The company also holds the innovative concept of dedication, As Good as It Gets, excellence, and strive to build our brand,take the country's "Belt and Road" express train, in the broader international market to show our technical strength!

诚信
CHENGXIN
企业资质
QUALIFICATION



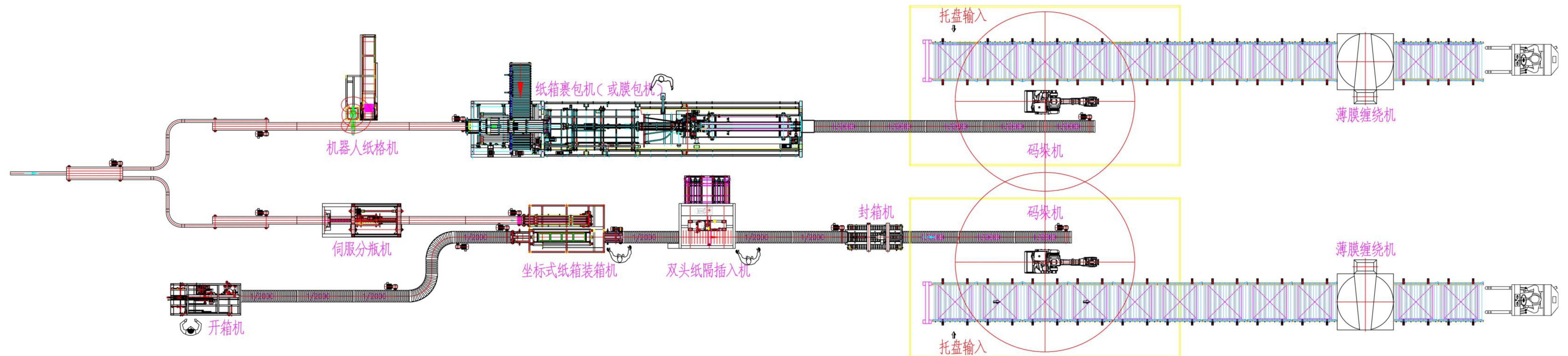
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创新——为客户提供后段整体解决方案 Innovation -- providing customers with overall solutions for the latter segment

我们关注的是自动化生产线，更专业自动化后道包装。
We focus on automated production lines and more professional automated backpacking.

我们致力于提供（收缩膜包装、纸箱包装、全自动码垛、缠绕）的整体解决方案。
We are committed to providing (shrink film packaging, carton packaging, fully automatic stacking, winding) the overall solution.



我们的解决方案 Our solution.



Pe膜包

PE membrane package

- 全膜包 Whole membrane package
- 纸板+膜包 Cardboard + Membrane Package
- 纸托+膜包 Paper tray + membrane package

装箱

encasement

- 抓取式装箱 Capture Boxes
- 纸板裹包式装箱 Cardboard packing
- 机器人装箱 Robot Boxes

码垛

Stack

- 纸箱码垛 Carton pallets.
- 膜包码垛 Membrane package
- 机器人码垛 Robot code stack

简介 BRIEF INTRODUCTION >>>

CKX25型开箱机，就是把经过模切后并经过钉合的纸箱，立式放在纸箱输送架上，在PLC的控制下，自动送纸箱，在吸箱机构作用下，打开纸箱并预成型，进入成型工位；在推箱机构作用下，经过底部成型机构，由纸箱输送装置把纸箱送入封底工位，经过封胶装置实现底部封胶，并自动送出，以满足装箱的需要。本机采用胶带封底，可选择贴封2”、2.5”、3”宽规格的BOPP胶带，纸箱存储架一次可存放约100个未成型的纸箱，并可随时补充生产能力生产能力为25箱/分钟。机器运行平稳、流畅；封胶平整，接缝平齐无重叠；纸箱无损率可达到99.8%。



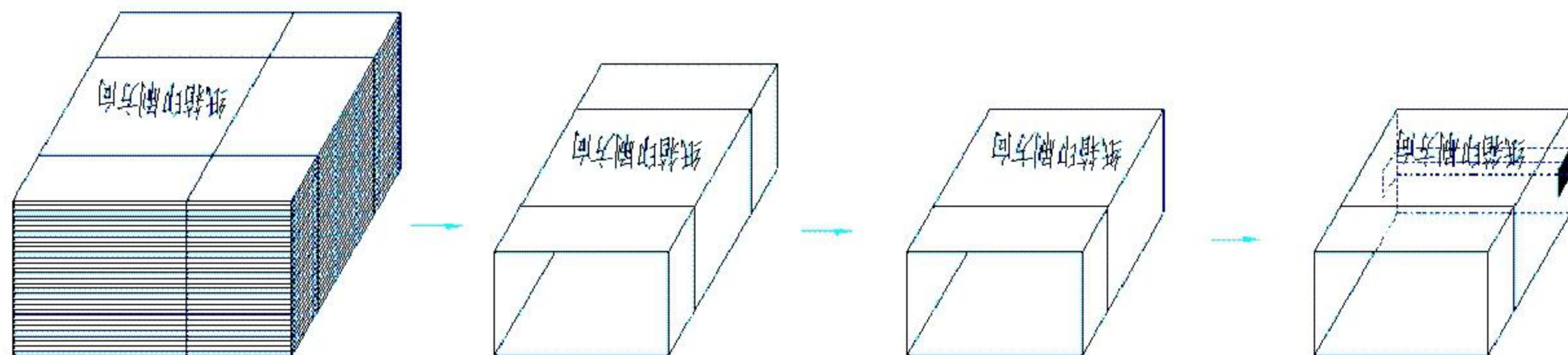
—CKX25型纸箱开箱机 外形—

The CKX25 open-box machine is a cardboard box that has been die-cut and nailed, and is placed on a carton conveyor frame. Under the control of PLC, it is automatically delivered to a carton. Under the action of a box suction mechanism,Open the carton and preform it into the molding position; Under the action of the push mechanism, through the bottom molding mechanism, the carton conveyor will send the carton to the backcover workers, and the bottom will be achieved through the sealant device.Part seal, and automatically sent to meet the needs of the packing. This machine uses adhesive tape back cover, can choose to seal 2 ", 2.5", 3 "wide BOPP tape, Box storagerack can store about 100 pieces at a time Type cartons, available at any time to replenish production capacity of 25 cartons per minute. Machine running smoothly and fluently Chang; Sealing is flat, and there is no overlap in the joints; The no-damage rate of cartons can reach 99.8 %.

技术参数 TECHNICAL PARAMETERS >>>

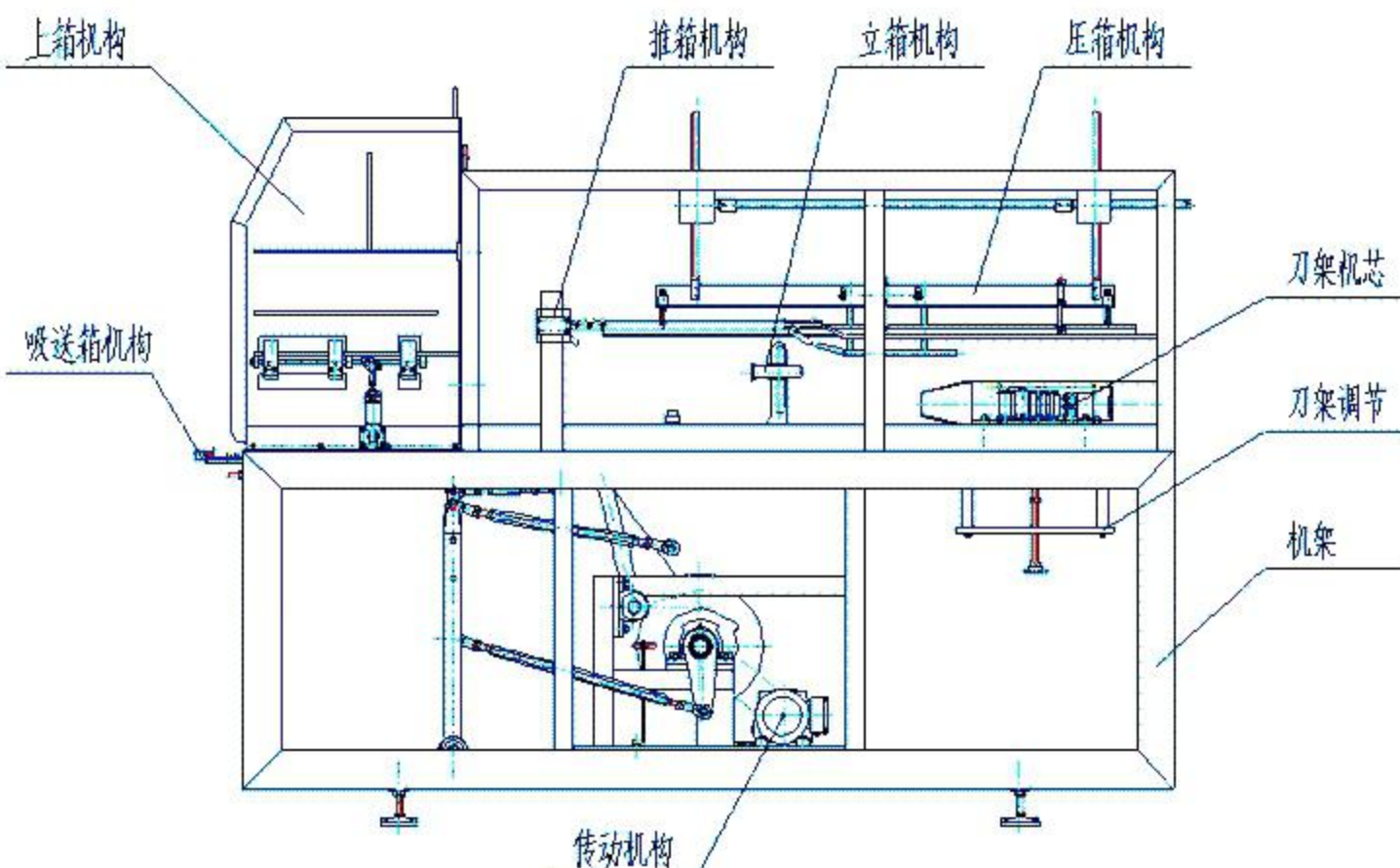
适用纸箱(mm) For cartons	200 ~ 500(长)、220 ~ 350(宽) 高度范围(215-宽/2) ~ (590-宽/2)	使用电源 Use of power	380V 1.1KW
工作高度 Work height	650(mm)	设备重量 Weight of equipment	800Kg
机械尺寸(mm) Mechanical Size	2200X2000X1850	储箱数量 Number of tanks	100
使用气源 Use of gas sources	0.6Mpa 80L/min	操作人员 Operator	1人

工艺流程 TECHNOLOGICAL PROCESS >>>

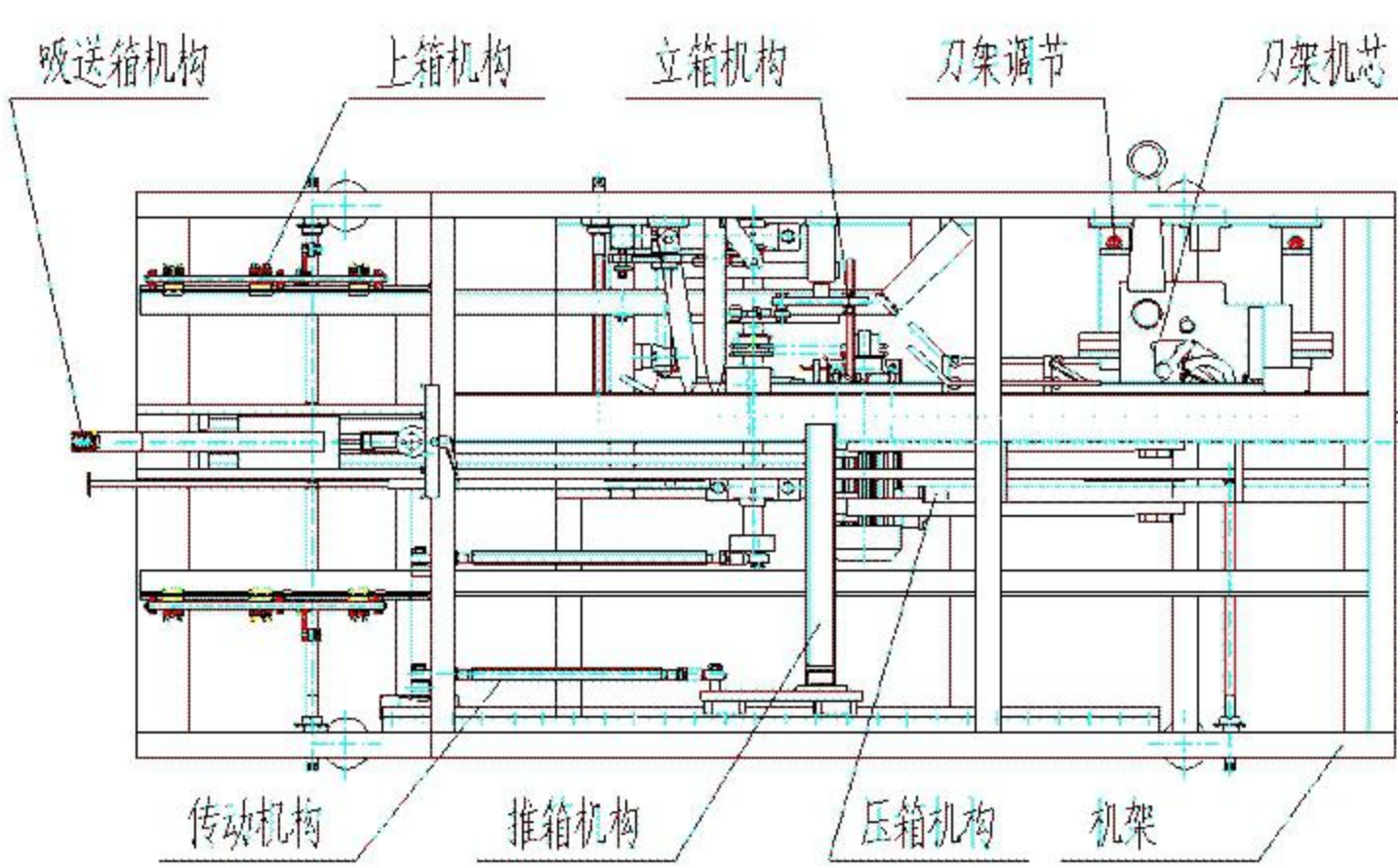


设备外形 DEVICE PROFILE >>>

CKX25型纸箱开箱机平面图如下



CKX25型纸箱开箱机 平面图1



CKX25型纸箱开箱机 平面图2

性能特点 PERFORMANCE CHARACTERISTICS >>>

- 1.主要执行动作由一台电机驱动、凸轮分配、机械同步、稳定可靠；
- 2.采用侧封式开箱，减小对纸箱标准的要求.
- 3.采用稳定可靠的折边机构、折边封合平整；
- 4.封胶系统配置单独的动力，气动切断；
- 5.采用进口电气元件，SMC（或亚德客）气动元件，OMRON PLC,变频器，触摸屏，赛德瑞减速电机。
- 6.本机采用真彩触摸屏显示，操作简单直观；
- 7.方便调节不同尺寸的纸箱，调节迅速简单、纸箱适用范围广；
- 8.采用胶带封底，不受天气影响，封箱可靠；
- 9.本机结构件全部采用不锈钢材质制作。并经过拉丝或抛光处理，开合门窗选用透明有机玻璃，有良好的外观质量和可视效果。并且所有活动门均设有安全开关。
- 10.机器设计紧凑，尺寸为2400X1200X1700，占地面积很小
- 11.本机功率小，耗电低，机器的操作简单方便，噪音低；

1. The main execution action is driven by a motor, cam distribution, mechanical synchronization, stability and reliability;
2. Use side closure to open the box to reduce the standard requirements for cartons.
3. Adopt a stable and reliable folding mechanism, foldingedge sealing and leveling;
4. Sealing system is equipped with separate power, pneumatic cut off;
5. Use imported electrical components, SMC(or Yadeke)pneumatic components, OMRON PLC, Inverter, touch screen, seydray deceleration motor.
6. This machine uses a real color touch screen display, the operation is simple and intuitive;
7. Convenient to adjust different sizes of cartons, the adjustment is rapid and simple, and the box iswidely applicable;
8. Adopt tape back cover, not affected by the weather, the box is reliable;
9. All the structure parts of this machine are made of rust-free material. And after pulling or polishing, open The windows and doors are made of transparent organic glass, which has good appearance quality and visual effect. and All activity doors are equipped with safety switches.
10. Compact machine design, size 2400 X1200 X1700, covers a small area
11. The machine has low power, low power consumption, simple and convenient operation of the machine, and low dry sound;

设备的作用

ROLE OF EQUIPMENT >>>

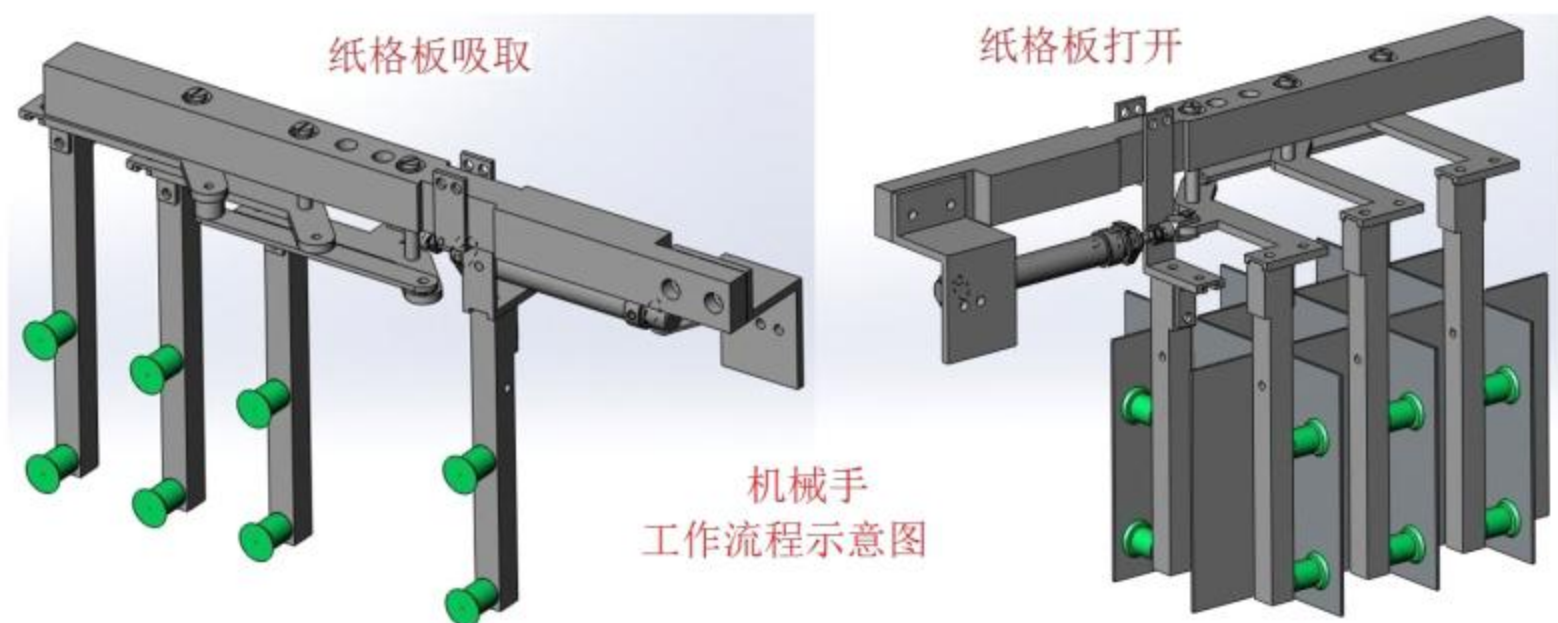
纸隔板是为保护装箱后纸箱内的易碎容器不发生挤碰受损而设的保护层。纸隔板机的作用是采用现代化的生产手段，在连续的生产线上，自动实现供料、吸取、打开、自动跟踪、放置于容器之间。用于装箱前纸隔板插入操作！

The panel is a protective layer designed to protect the fragile container in the box after the box from crush damage. Paper frame The function of the plate machine is to use modern production methods to automatically realize feed, draw, and draw on continuous production lines.Open, automatically track, and place between containers. Used for insert operation of paper partition before packing!

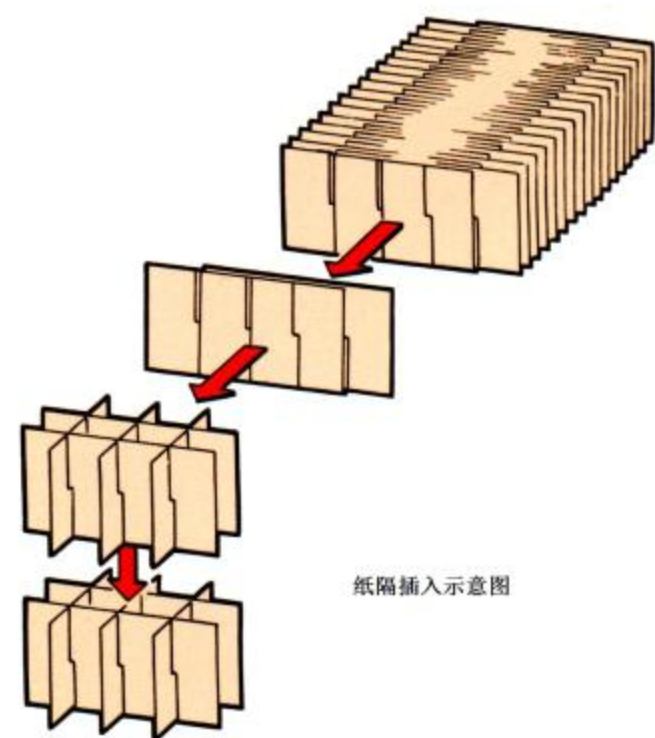
性能特点

PERFORMANCE CHARACTERISTICS >>>

- 1.主要执行动作由一台SCARA机器人（含4台伺服）、光电检测、PLC控制，准确、稳定、可靠；
- 2.采用进口电、气元件，施耐德，变频器，触摸屏
- 3.采用纸格自动跟踪，定位准确；
- 4.本机采用真彩触摸屏显示，操作简单直观；
- 5.方便调节不同尺寸的纸箱，调节迅速简单、适用范围广；
- 6.本机结构件全部采用不锈钢材质制作。并经过拉丝或抛光处理，开合门窗选用透明有机玻璃，有良好的外观质量和可视效果。并且所有活动门均设有安全开关。



1. The main execution action is a SCARA robot(including 4 servo), photoelectric Testing, PLC control, accurate, stable, reliable;
2. Use of imported electric and gas components, Schneider, inverter, touch screen
3. Automatic tracking of paper grid, accurate positioning;
4. This machine uses real color touch screen display, the operation is simple and intuitive;
5. Easy to adjust different sizes of cartons, the adjustment is quick and simple, wide range of application;
6. All the structure parts of this machine are made of non-rust material. And after being pulled or polished,Open and close doors and Windows selected transparent organic glass, with good appearan quality and visual effects.And all activity doors are equipped with safety switches.



技术参数

TECHNICAL PARAMETERS >>>

生产能力 production capacity	25箱/分钟	主电源 Main power supply	380 V , 50HZ , 3相交流
压缩空气 compressed air	5 ~ 6Bar	功率 power	4KW
空气损耗 Air loss	30 M³/H	净重 net weight	1.8
控制电压 Control Voltage	24VDC	外形尺寸 Shape Size	3500mm×1200mm×1720mm

设备组成

COMPOSITION OF EQUIPMENT >>>

设备由供料系统、四轴SCARA微型机器人、机械手、电控系统、气控系统组成。

由于本机需要在运动过程中放置纸隔板，采用SCARA机器人运动机构，该机构的优点是快速、准确，如图，抓取机构安装在伺服升降电缸上，在放置纸隔板时，可根据输送链的速度，自动跟踪。

该机运动是根据光电头检测到输送带输送过来的瓶子确定的，因此可做到自动适用。

纸隔板放在每个单元的瓶子上后，进入整形工位，在这个工位上安装有气动整形机构，使已经打开并放置在一个单元瓶子上的隔板，都成为规则的形状，而且能达到产能的要求。



The equipment consists of feed system, four-axis SCARA micro-robot, manipulator, electronic control system, gas controlSystem composition.

Since the machine needs to place paper partitions during the movement, the SCARA robot motion mechanism is used. The advantage of this mechanism is that it is fast and accurate. As shown in the figure, the grab mechanism is installed on the servo lift cylinder.When the paper partition is placed, it can be automatically tracked according to the speed of the transport chain.

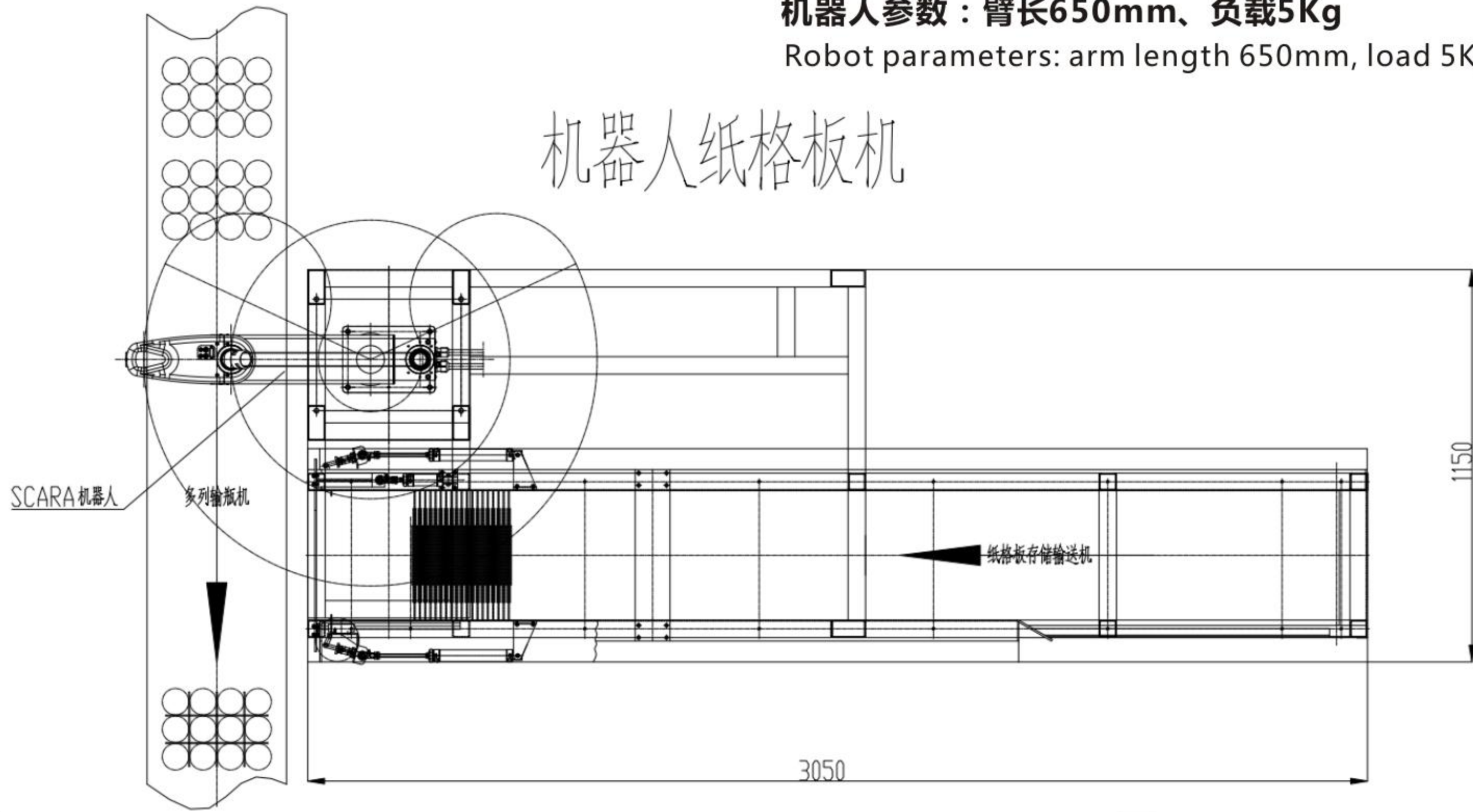
The movement of the machine is determined based on the photoelectric head detecting the bottle delivered by the conveyor belt, so it can be done To automatic application.

After the paper partition is placed on the bottle of each unit, enter the plastic work position and install it on this work position.There are pneumatic plastic mechanisms that make it a rule that the partition has been opened and placed on a unit bottle.The shape and ability to meet the requirements of production capacity.

设备布置图

EQUIPMENT LAYOUT PLAN >>>

机器人参数：臂长650mm、负载5Kg
Robot parameters: arm length 650mm, load 5Kg



简介

BRIEF INTRODUCTION

>>>

本机为全自动封箱机，是以PVC、BOPP等压敏带作为封箱材料的自动封箱机，用于定型和外形基本规格的纸箱及其他包装用箱的封合。

This machine is a fully automatic box sealing machine. It is an automatic box sealing machine with PVC, BOPP, etc. as the sealing material. It is used for cardboard boxes and other bags with basic specifications for shape and shape.The sealing of the packing box.



性能特点

PERFORMANCE CHARACTERISTICS

>>>

- 1.本机可全自动完成封箱工作；

2.本机采用柔性防滑皮带，只用一个电机同步驱动，解决了两边皮带速度不一的问题，运行平稳可靠，；

3.本机两边的同步输送带,设置有弹性机构,特别能够克服纸箱因尺寸误差对封箱过程的影响；

4.本机结构开放，维修方便；

5.本机功率小，电耗低；

6.本机的驱动电机采用变频调速，适用不同速度生产线的需求，操作方便简单；

7.本机结构件全部采用不锈钢材质制作；

8.主要电、气元件采用进口产品。
1. The machine can complete the sealing work automatically;

2. The machine adopts a flexible Anti-Slip belt and uses only one motor to drive synchronously, which solves the problem that the belts on both sides have different speeds and runs smoothly and reliably.

3. The synchronous conveyor belt on both sides of the machine is provided with an elastic mechanism, which can overcome the influence of the carton due to the size error on the sealing process.

4. The structure of the machine is open and easy to maintain;

5. The machine has low power and low power consumption;

6. The drive motor of this machine adopts frequency conversion speed adjustment, which is suitable for the needs of different speed production lines and is convenient and simple to operate;

7. This machine structure is made of stainless steel;

8. The main electric and gas components are imported products.

验收标准

ACCEPTANCE CRITERIA

>>>

本标准适用于中意隆机械设备有限责任公司生产的BFX25型封箱机的生产验收，设备在纸箱符合标准要求，并在满足气、电等外部环境的条件下，达到如下要求：

- ①实现全自动折边成型、封箱，封箱速度：25箱/分钟；
- ②输箱高度为400 ±50 mm；
- ③纸箱无损概率：99.8%；
- ④封胶平整，接缝平齐，无重叠、无错位、无喇叭口；
- ⑤胶带头尾段和纸箱粘合长度为50±10毫米；
- ⑥运行平稳、流畅、无异常噪音、震动；
- ⑦主体结构材料为SUS304不锈钢。
- ⑧无明显的外部创伤、缺陷，不存在对操作人员产生伤害的安全隐患。



- This standard is applicable to the production and acceptance of BFX25 sealing machine produced by Zhongyilong Machinery Equipment Co., Ltd.. The equipment meets the standard requirements in the cartons and meets the gas and gas requirements. Under the conditions of the external environment such as electricity, the following requirements are met:
1. Fully automatic folding molding, sealing box, sealing speed: 25 cases per minute;

2. The tank height is 400 ± 50 mm;

3. box lossless probability: 99.8 %;

4. The seal is flat, the seams are flat, there is no overlap, no dislocation, and no horn mouth;

5. The adhesive length of the lead end and the carton is 50 ± 10 mm;

6. Running smoothly, smooth, no abnormal noise, vibration;

7. The main structural material is SUS 304 stainless steel.

8. There is no obvious external trauma or defect, and there is no hidden danger of causing harm to the operator.

技术参数

TECHNICAL PARAMETERS

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封箱速度 Boxes speed	25箱/分钟	胶带宽度 Width of tape	48 ~ 60 (mm)
适用箱形 Applicable box shape	瓦楞纸箱	主机尺寸 Host Size	1960X1150X1440 (mm)
适用纸箱 Applicable cartons	(300 ~ 700) X (120 ~ 480) X (120 ~ 480) (mm)	使用电源 Use of power	380V(或220V) 50HZ 550W
输箱高度 Load height	400±50 (mm)	设备重量 Weight of equipment	约200Kg

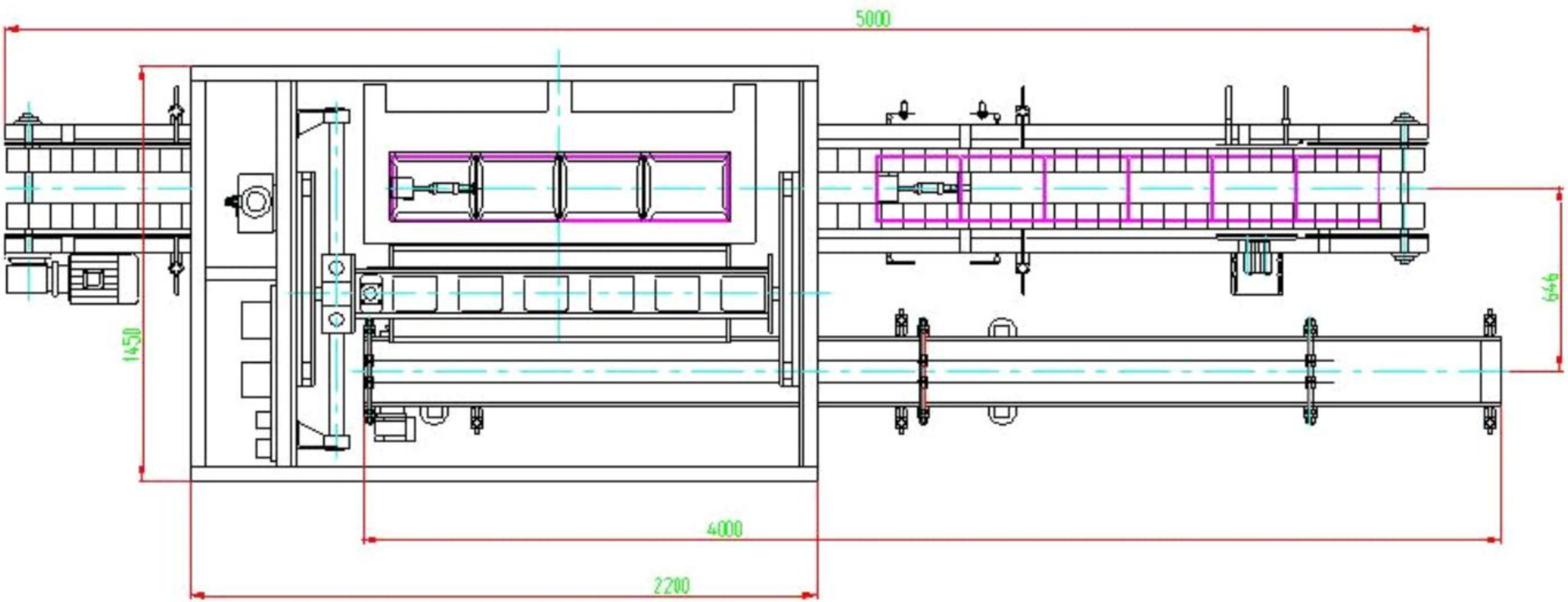
简介

BRIEF INTRODUCTION

>>>

本设备适应于食品、医药、化工、电子等装箱的要求。

The equipment is suitable for food, medicine, chemical, electronic and other packing requirements.



技术参数

TECHNICAL PARAMETERS

>>>

生产能力 production capacity	25箱/分钟	主机尺寸 Host Size	1600×1460×2140 (mm)
装箱排列方式 Packing arrangement	2X3 ~ 4X5	抓瓶头数 Capture head count	48
适用瓶形 Applicable bottle shape	(见图纸及实物)	使用电源 Use of power	380V、 50HZ
适用纸箱 Applicable cartons	280 ~ 450(长)220 ~ 300 (宽) 250 ~ 350高	总功率 Total power	4kw
进瓶高度 Bottle height	1000±50 (mm)	耗气量 Gas consumption	0.6m3/min
输箱高度 Load height	525(mm) ±50 (mm)	用气压力 Use air pressure.	0.6Mpa

技术特点

TECHNICAL CHARACTERISTICS

>>>

- 1.进瓶方向和输入、输出箱方向相同，有效的减少了设备占地面积、非常有利于设备的排列、布局。
- 2.抓头组件有气囊式、气动机械式、磁力式等，分别适应于圆型瓶和各类异型瓶，应用范围广泛。
- 3.采用伺服双驱动链传动、伺服坐标式传动等，具有良好的机械刚性、运动平稳性、调节控制性。
- 4.可满足顺序装箱的功能要求
- 5.设备结构件全部采用不锈钢材质、拉丝处理。
- 6.采用伺服电机驱动、定位准确、调整方便、运行平稳可靠、设备寿命长久。
- 7.进瓶顺序排列、无错乱，定位准确；
- 8.运行平稳、流畅、无异常噪音、震动；
- 9.排列理瓶尾部有漏抓保护；
- 10.无损破瓶概率：99.99%；
- 11.无损商标、瓶盖概率：99.9%；
- 12.无明显的外部创伤、缺陷；
- 13.不会对操作人员产生伤害的安全隐患，机贴有醒目的操作及安全指示牌，以助于操作掌握。
- 14.整齐美观的主机外罩，外观设计简约化风格，结构紧凑合理、美观大方，具有现代气息，有助于提高甲方生产区域档次和品位。采用有机玻璃升降门式结构，设有安全装置（开门停机，关门工作的自动控制装置）确保操作人员工作安全。周边罩门选用8mm透明有机玻璃制作，上方用8mm透明有机玻璃全封闭；符合食品卫生标准。

1. The direction of the bottle and the direction of the input and output boxes are the same, effectively reducing the area of the equipment, which is very conducive to the arrangement and layout of the equipment.
2. The scratch head assembly has airbag type, pneumatic mechanical type, magnetic type, etc., which are suitable for round bottles and various types of heterotype bottles, and have a wide range of applications.
3. Adopt servo dual-drive chain drive, servo coordinate transmission, etc., with good mechanical rigidity, motion stability, and adjustment control.
4. Can meet the functional requirements of sequential packing
5. The equipment structure parts are all made of rust-free material and wire drawing.
6. The servo motor is used to drive, locate accurately, adjust conveniently, run smoothly and reliably, and have a long equipment life.
7. The order of the bottles is arranged, there is no confusion, and the positioning is accurate;
8. Smooth, smooth, no abnormal noise, vibration;
9. There is leakage protection at the tail of the column bottle;
10. Non-destructive bottle breaking probability: 99.99 %;
11. Non-destructive trademark, bottle cap probability: 99.9 %;
12. No obvious external trauma or defect;
13. The safety hazards that will not cause harm to the operator are marked with eye-catching operation and safety signs to help the operation.
14. Clean and beautiful host cover, simplified design style, compact and reasonable structure, beautiful and generous, with modern atmosphere, which helps to improve Party A's production area grade And taste. Adopt the organic glass lifting door structure, with safety devices(opening and stopping, closing the automatic control device) to ensure the safety of operators. The surrounding door is made of 8mm transparent organic glass, and the upper part is completely closed with 8mm transparent organic glass; Comply with food hygiene standards.

简介

BRIEF INTRODUCTION

>>>

单片式纸箱成型机为我公司独立研发的一种轻便、实用的、填补包装行业空白的新型单片式纸箱成型设备，具有良好的适应性和简洁的操作性，特别适合25箱/分钟的单片纸箱成型需要，其自动化成度高、结构紧凑，在一个工位完成纸箱的成型及喷胶封底动作，占地面积小，更适合整条生产线的平面布局、满足中小型生产线的生产需求。是啤酒、饮料、烟草、制药、粮油、食品加工、日化产品、电子行业等领域以及瓶、罐、盒等包装容器的通用纸箱成型设备。该产品具有广泛的使用价值。



The single-chip Carton forming machine is a light, practical and new-type single-chip carton forming machine which is independently developed by our company. It has good adaptability and simple operation, especially suitable for 25 boxes / minutes of single-chip Carton forming needs, its high degree of automation, compact structure, in a work station to complete the carton forming and spray back-sealing action, covering a small area, more suitable for the overall layout of the production line, to meet the production needs of small and medium-sized production lines. Is a beer, beverages, tobacco, pharmaceutical, grain and oil, food processing, daily chemical products, electronic industries and other fields as well as bottles, cans, boxes and other packaging containers of the general carton forming equipment. The product has a wide range of use value.

结构原理

STRUCTURAL PRINCIPLES

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本机主要由：

①机架组件、②吸箱机构、③推箱机构、④单片纸箱成型机构、⑤成型芯模、⑥喷胶机构、⑦储箱架、⑧气控组件、⑨电控组件等几大部分构成。

本机通过吸箱机构吸取储箱架上的单片式纸板，在推箱机构的作用下，将纸板送到带有成型芯模的加工工位，进行成型、喷胶粘合、封底，通过输送链完成成型纸箱的输送。

This machine is mainly composed of:

1 rack assembly, 2 suction box mechanism, 3 push box mechanism, 4 single box molding mechanism, 5 molding mold, 6 spray glue mechanism, 7 storage box frame, 8 gas control component, 9 The electrical control component consists of several parts.

The machine absorbs the single piece of cardboard on the storage box frame through the suction box mechanism, and under the action of the push box mechanism, the cardboard is sent to the processing workers with the molding core mold for molding. Sprinkle adhesive adhesive, cover, through the transmission chain to complete the delivery of the box.

设备特点

FEATURES OF EQUIPMENT

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- 1.该设备在一个工位完成单片纸箱的成型工艺过程，大大降低了占地空间和设备费用，采用伺服系统，运行稳定可靠、便于定位与调节；
 - 2.可在线实现纸箱成型，不需在纸箱生产厂用手工或半自动化手段制作，减少运输环节；
 - 3.提高产品外观质量，目前钉制纸箱是用手工或半自动化手段制作的，尺寸成型误差一般都在10mm以上，而单片式纸箱成型机是以芯模为基准制作的，尺寸成型误差一般都不大于2mm，这样对包装设备的依赖性大大降低，同时纸箱外观更加规则、美观。
 - 4.单片式纸箱成型机是用热熔胶固化粘合的，相比于依赖钉子连接的钉制纸箱，更加环保。
 - 5.单片式纸箱成型机每分钟可制作20箱以上，钉制纸箱每分钟最多制作5箱，成型效率更高，具有很大的实际应用价值。
1. The equipment completes the forming process of single carton in one work position, which greatly reduces the space and equipment costs, adopts servo system, and runs stably and reliably, and facilitates Positioning and adjustment;
 2. Cartons can be formed online, without the need to use manual or semi-automated means in the carton production plant to reduce the transportation link;
 3. Improve the appearance and quality of the products. At present, nailed cartons are made by hand or semi-automated means. The size forming error is generally more than 10mm, and single-piece cartons are made. The type machine is made on the basis of the core mold, the size molding error is generally not more than 2mm, which greatly reduces the dependence on the packaging equipment, and the appearance of the carton is more Rules, beauty.
 4. Single carton molding machine is cured and bonded with hot melt glue, which is more environmentally friendly than nail cartons that rely on nails.
 5. Single carton molding machine can make more than 20 boxes per minute, and nail box can make up to 5 boxes per minute. The molding efficiency is higher and it has a great practical application value.

设备配置

DEVICE CONFIGURATION

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- | | |
|---------------------------------|---|
| 1.PLC、触摸屏采用施耐德（或SIEMENS） | 1. PLC, touch screen with Schneider(or SIEMENS) |
| 2.变频器采用施耐德（或丹佛斯） | 2. The frequency converter uses Schneider(or Danforth) |
| 3.伺服电机采用施耐德:4 | 3. Servo motor with Schneider :4 |
| 4.气动原件采用SMC（或亚德客） | 4. Pneumatic originals use SMC(or Yadeke) |
| 5.真空原件采用施迈茨 | 5. Vacuum original using Shimaici |
| 6.光电检测元件采用易福门或西克 | 6. Photoelectric detection elements using Yifumen or Sik |
| 7.机体材质采用不锈钢 | 7. Stainless steel for body material |
| 8.减速机采用Motovario | 8. Motovario for speed reducers |
| 只需配备一名操作人员，减少了劳动力资源； | (a) The need for only one operator, reducing Labour resources; |
| 整机均设有安全门保护，不会产生对人员、环境的危害； | The entire machine is equipped with security door protection, which will not cause harm to personnel and the environment; |
| 压缩空气消耗量不大于30L/min，压力：0.5~0.6MPa | Compressed air consumption not more than 30L/min, pressure: 0.5 to 0.6 MPa |
| 供电电源：380±10伏3相50赫 | Power supply: 380 ± 10 volts 3 phase 50 Hz |

技术特点 TECHNICAL CHARACTERISTICS >>>

- 1.一整机完成输送、纸箱成型两项工艺过程；节省生产空间和设备成本；

2.采用伺服驱动系统，运行稳定可靠、便于定位与调节；

3.采用单片式纸板，相比钉制纸箱材料成本下降5%~10%；

4.采用热熔胶固化粘合，具有防伪功能，也更环保；

5.额定生产能力25箱/分钟，效率高；

6.可完全在包装生产线上在线使用，降低运输成本。

7.各执行机构间用PLC程序控制，触摸屏显示，方便直观；

8.整机结构件均采用SUS304不锈钢材质，可视性效果更好；
1. A complete machine to complete the transmission, Box molding two processes; Savings in production space and equipment costs;

2. Using servo drive system, running stable and reliable, easy to locate and adjust;

3. Using single-piece cardboard, the cost of staple carton materials decreased by 5 % to 10 %;

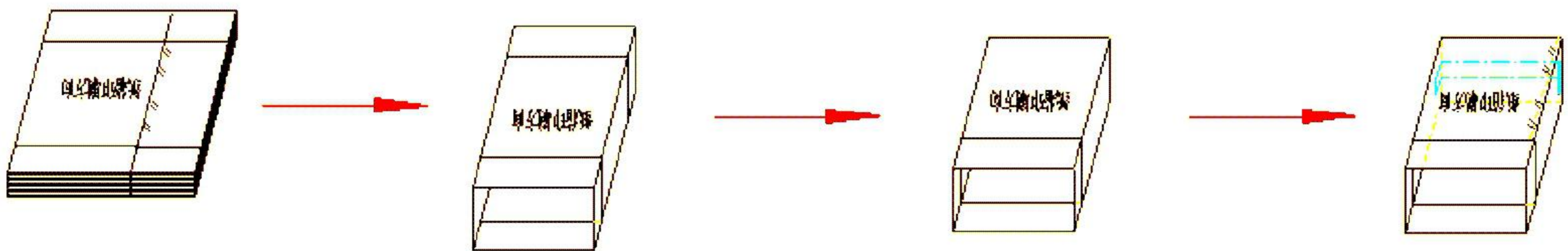
4. Adopt hot melt glue to solidify and bind, have Anti-Counterfeiting function, and be more environmentally friendly;

8. rated production capacity of 25 cases per minute, high efficiency;

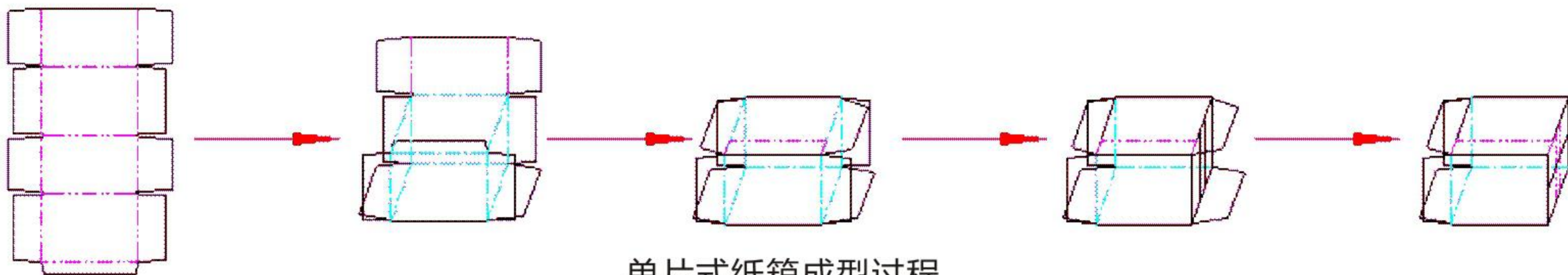
6. Can be fully used online on the packaging production line to reduce transportation costs.

7. Use PLC program control between the implementing agencies, touch screen display, convenient and intuitive;

8. The entire structure is made of USU304 rust-free materials, and the visibility is better;



通用开箱机纸箱成型过程



单片式纸箱成型过程

技术参数 TECHNICAL PARAMETERS >>>

主机尺寸 Host Size	2600X1000X1800 (mm)	设备总重 Total weight of equipment	≤1.8吨
包装范围 Packing range	标准瓦楞纸	耗气量 Gas consumption	45L/min
纸箱长度 Box Length	225—300MM	用气压力 Use air pressure.	0.6Mpa
纸箱宽度 Box width	200—320 MM	耗胶量 Glue consumption	≤4g/箱
纸箱高度 Box height	120—280 MM	热熔胶 Hot Sol	外观片状白色或黄色
生产能力 production capacity	25箱/分钟	开放时间 Opening Hours	4~8S
电源功率 Power supply	≤6.2KW（含热熔胶机）	固化时间 Cure time	≤2S



简介

BRIEF INTRODUCTION

>>>

BZG15型全自动纸箱裹包机是我公司在消化吸收国外先进技术的基础上，结合我国国情，自主开发的具有自主知识产权、广泛适应于包装行业、高效环保的新一代纸箱包装机械。该机以及该机所能提供的包装形式，和同类传统的包装方法相比，具有鲜明的特点：



BZG15 automatic carton wrap is my company in the digestion and suction On the basis of the advanced technology of foreign countries and in the light of China's National conditions Issued with independent intellectual property rights, widely adapted to the packaging industry, high Environmental friendly packaging machinery for new-generation cartons. The aircraft and its capabilities The form of packaging provided, compared with the same traditional packaging methods, has There are distinctive features:

优点

ADVANTAGE

>>>

楞纸箱是使用瓦楞纸板制成的纸包装容器，它的优点在于：

- 1.类似拱形结构，能起到防冲减震作用，具有良好的力学特性。
- 2.对包装物品具有许多良好的保护功能。
例如，防潮、散热、易于搬运等。
- 3.运输费用低，且易于实现包装与运输的机械化和自动化。
- 4.规格与尺寸的变更易于实现，能快速适应各类物品的包装。
- 5.封箱、捆扎均方便，易于自动化作业。
- 6.能适应各种类型的纸箱的装潢印刷，能很好的解决商品保护和促销问题。
- 7.废箱易于回收再利用，符合环保要求。
- 8.是目前市场普遍认可和接受的包装手段、具有与之相配套的、成熟的相关技术工艺。

The cardboard box is a paper packaging container made of corrugated cardboard. Its advantages are:

1. Similar arched structure, can play an anti-shock shock absorber, with good mechanical characteristics.
2. There are many good protective functions for packaged articles. For example, moisture-proof, heat dissipation, easy to move, etc..
3. The cost of transportation is low, and it is easy to realize the mechanization and automation of packaging and transportation.
4. Changes in specifications and dimensions are easy to achieve and can quickly adapt to the packaging of various items.
5. Easy to seal and bundle, easy to automate.
6. Can adapt to various types of cartons decoration and printing, can be a good solution to commodity protection and promotion problems.
7. Waste containers are easy to recycle and reuse and meet environmental requirements.
8. It is a packaging method that is widely recognized and accepted by the market at present, and has a mature related technology that is compatible with it.

主要用途

MAIN PURPOSE

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用于啤酒，白酒生产线的配套设备，完成生产线最后的装箱工序。还可用于烟条，肥皂，方便面，罐装饮料等各种所需纸箱的包装。

For beer, white wine.The equipment for the production line, Final assembly of the production line Boxes. Can also be used for cigarettes Bar, soap, instant noodles, Canned beverages, etc..The packing of cartons.

性能特点

PERFORMANCE CHARACTERISTICS

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- 1.劳动力可以减少3~4人；
- 2.热熔胶黏合比传统的胶带胶黏更加环保、并具有防伪性能。
- 3.可通过于各种覆盖物或防潮材料结合，而大大扩大其使用范围。
- 4.包装箱内物品之间无缝隙接触，裹包后紧密牢固；
- 5.由于减少了纸板接合部的重叠，纸板原料可以减少5%左右，同时也减少了纸箱的钉制费用。
- 6.装箱的箱体外形美观，提高产品档次和外观形象。
- 7.全不锈钢（或不锈材料）制作，外观美观；
- 8.可采用同向输送（进瓶方向和出箱方向相同）、垂直输送（进瓶方向和出箱方向成90°）；
- 9.配制有同步调整机构，方便于包装尺寸的更改；
- 10.利用伺服链驱动，比国外的汽缸驱动更准确、可靠、平稳、寿命长；

总之，应用自动裹包机，减轻劳动强度，减少劳动力资源，减少生产工序，其综合性能指标和经济效益优越明显，已被社会所接受和普遍认可，将是传统包装方式的升级和发展趋势。

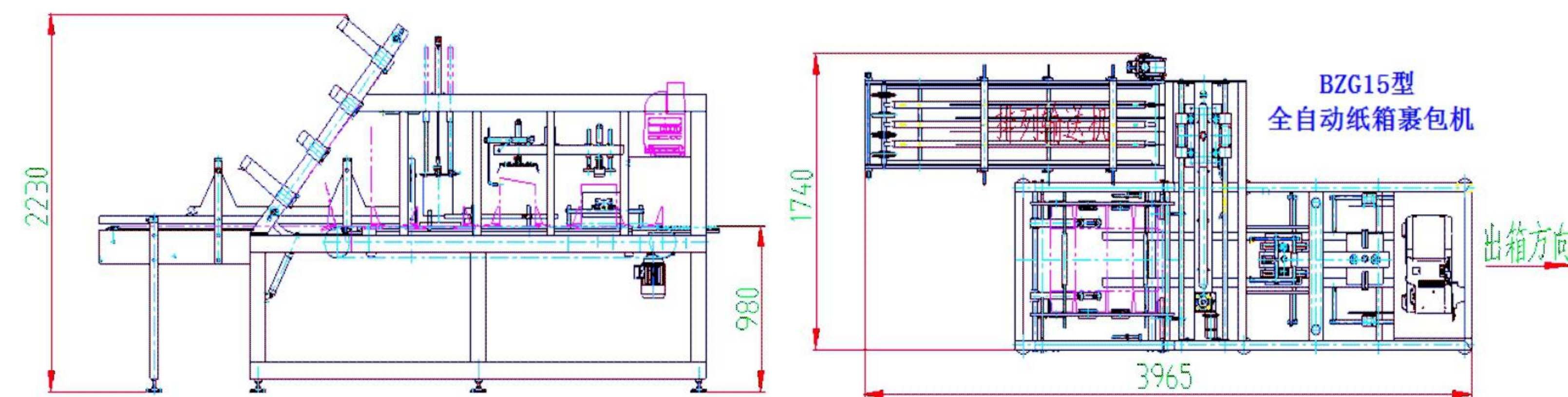
1. The labor force can be reduced by 3 to 4 people;
2. Hot melt adhesive is more environmentally friendly than traditional adhesive tape and has Anti-Counterfeiting properties.
3. It can be greatly expanded through the combination of various mulches or moisture-proof materials.
4. There is no gap contact between the articles in the packaging box, and it is tight and firm after wrapping;
5. Cardboard raw materials can be reduced by about 5 % due to the reduction of the overlap of the cardboard joints. It also reduced the nail cost of the carton.
6. The box body is beautiful in appearance, improving the product grade and appearance.
7. All stainless steel(or non-rust material) production, beautiful appearance;
8. The same direction can be used(in the same direction as in the bottle and out of the box), vertical(in The direction of the bottle and the direction of the box are 90°);
9. Compose a synchronous adjustment mechanism to facilitate the change of packaging size;
10. Use servo chain drive, more accurate, reliable, stable, life than foreign cylinder drive Long life;

In short, the application of automatic wrapping machine, reducing Labor intensity, reducing labor resources, reducing production processes, its comprehensive performance indicators and economic benefits are superior and obvious, has been accepted by society and generally recognized, it will be the upgrade and development trend of the traditional packing method.

机体外形

BODY SHAPE

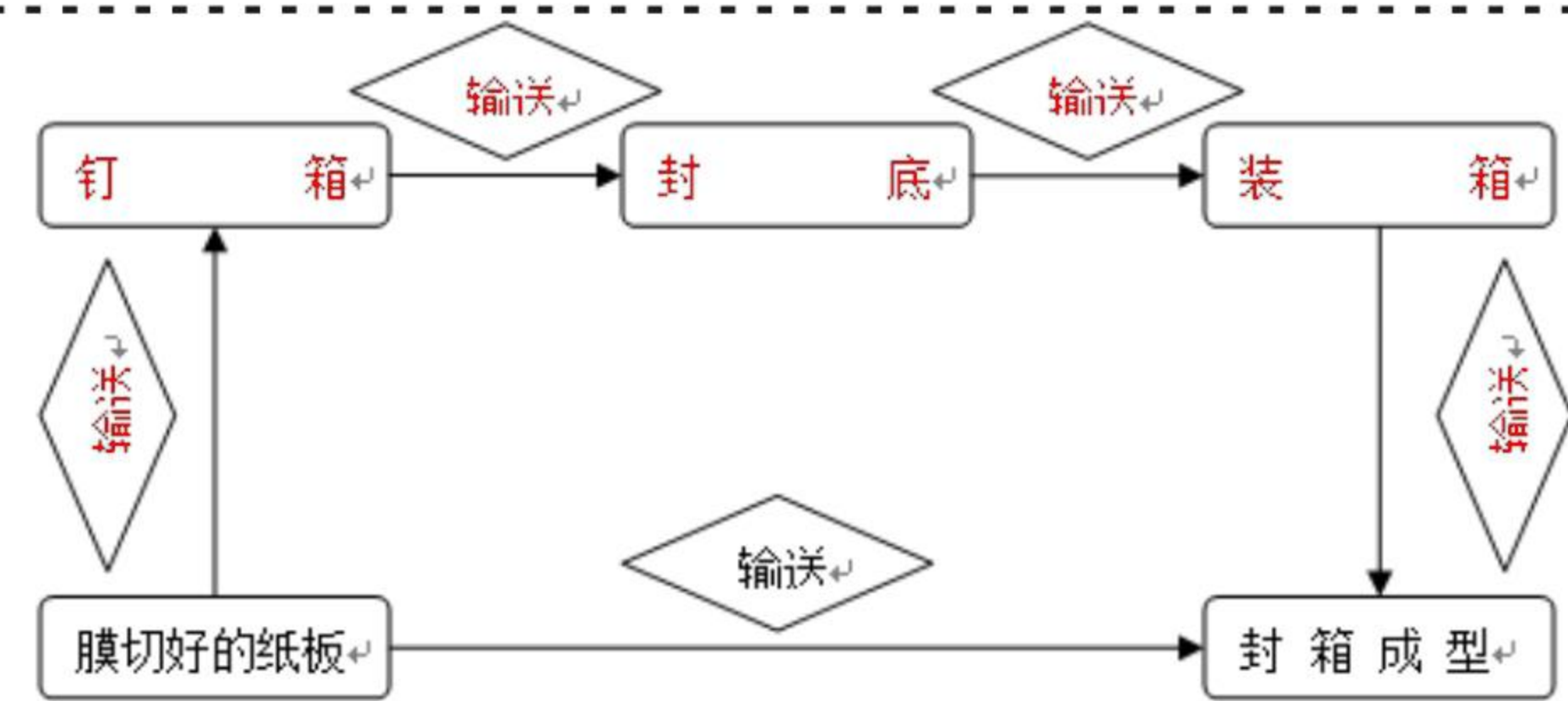
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工艺流程 TECHNOLOGICAL PROCESS >>>

目前纸箱包装过程都仍然下列的生产工艺：纸板模切→钉箱→封底→装箱→封箱；
采用纸箱包装（裹包）机可以一次完成上述过程，下面是两种生产过程的工艺流程比较图：

At present, the carton packaging process is still the following production processes:
Cardboard die → nail box → cover → box → box → box;
The above can be done at one time by using carton packing machine The process, the following is a comparison of the two production processes:



采用裹包形式的包装，由一台设备完成开箱、装箱、封箱、输送等工序

技术参数 TECHNICAL PARAMETERS >>>

主机尺寸 Host Size	2980X1000X2000 全不锈钢材质， 表面拉丝处理	耗气量 Gas consumption	150升/分
输送部分 Transport section	2500X710X1200 全不锈钢材质， 表面拉丝处理	用气压力 Use air pressure	0.6Mpa
包装范围 Packing range	小于4排×5列（以Φ71瓶子、高度 小于290为准） 大于2排×3列（以Φ71瓶子、高度 小于290为准）	耗胶量 Gum consumption	≤4g/箱
纸箱尺寸 Cartons size	长度: 225—350毫米. 宽度300—450毫米. 高度:120—290毫米	热熔胶 Hot Sol	外观片状白色或黄色
生产能力 production capacity	15箱/分钟	开放时间 Opening Hours	4~8S
电源功率 Power supply	≤6.2KW	固化时间 Cure time	≤2S
设备总重 Total weight of equipment	≤1.9吨	操作温度 Operating temperature	150℃~180℃
总功率 Total power	6.2kw	主机外形 Host shape	PLC、触摸屏、光电检测采用进口产 品，通过UG认证，热熔胶机选用美国 诺信产品。汽缸，阀门国产、进口可选。

性能特点 PERFORMANCE CHARACTERISTICS >>>

1. 专为小产量饮料、食品、医药、化工、电子行业全自动后段包装生产线设计。
2. 采用伺服控制提升、平移、行走及转向，可精准定位产品的吸取位置或放置位置。
3. 具有高速计数及逻辑换算能力，可预先设计码垛花式，并根据不同产品设定单层数量。
4. 可配合膜包机、装箱机、缠绕机组成后道包装生产线。
5. 符合国家安全标准，设有多种保护功能，出现故障时及时报警，可停机保护。



1. Specially designed for the low-yield beverage, food, medicine, chemical industry, electronics industry fully automatic packaging production line.
2. Using servo control to ascend, translate, walk, and turn, it can accurately locate the absorption position or placement of the product.
3. With high-speed counting and logical conversion capabilities, you can pre-design the stacking fancy and set the number of single layers according to different products.
4. Compatible membrane charter, packing machine, winding machine to form a back packing production line.
5. Meet the national security standards, with a variety of protection functions, timely alarm in the event of failure, can be shut down protection.

技术参数 TECHNICAL PARAMETERS >>>

产品型号 Product Model	ZYL-MD20	设备功率 Equipment power	7.5KW
生产能力 production capacity	码垛速度17-20箱	控制电源 Control power	24V DC
码垛产品 Stack Products	塑料筐、膜包产品、纸箱产品、 编织袋	压缩空气 compressed air	0.4-0.6Mpa,30L/min
码垛高度 Stack height	1600mm	设备重量 Weight of equipment	1500kg
机型尺寸 Size of model	L3940*W3300*H3550		

性能特点 PERFORMANCE CHARACTERISTICS >>>

码垛机是将已装入容器的纸箱，按一定排列码放在托盘、栈板（木质、塑胶）上，进行自动堆码，可堆码多层，然后推出，便于叉车运至仓库储存。本设备采用PLC+触摸屏控制，实现智能化操作管理，简便、易掌握。可大大地减少劳动力和降低劳动强度。采用高速、平稳、节省空间之理念设计。采用分开式脱板、更快速、更节省空间。一机多用，调整迅速，不必为更换堆叠产品而烦恼。适用范围：瓦楞纸箱、塑胶箱、桶状包装物、袋状包装物。



A stacker is a box that has been loaded into a container. It is placed on a tray and a stack(wood, plastic) in a certain arrangement code. It is automatically stacked, and it can be piled multiple layers, and then pushed.Out, facilitate forklift to warehouse storage. The device adopts PLC + touch screen control, realizes intelligent operation management, is simple and easy to master. Can greatly reduce the labor force and health Low labor intensity. Adopt the concept of high speed, smooth, and space saving. The use of separate off-board, faster, more space saving. One machine is more useful, adjust quickly, do not need Worried about replacing stacked products. Scope of application: corrugated boxes, plastic boxes, bucket packaging, bags packaging.

技术参数 TECHNICAL PARAMETERS >>>

产品型号 Product Model	DYL-MD30	DYL-MD40	适用栈板最大尺寸 Maximum size for pallet	1300*1100mm	1300*1100mm
码垛能力 Stacking ability	30cases/min	40cases/min	电极电源/功率 Electrode power / power	Ac,3相, 380V, 10KW,50Hz	Ac,3相, 380V, 10KW,50Hz
每层最大载重 Maximum load per floor	250kg	250kg	空气消耗 Air consumption	110L/MIN 空气使用量：5-6kg/cm ²	110L/MIN 空气使用量：5-6kg/cm ²
每栈板最大载重 Maximum load per stack	1500kg	1500kg	设备尺寸 Device Size	L7300*W5300 *H3200mm	L7850*W5150 *H3500mm
最高堆叠高度 Maximum stack height	1800mm	1800mm	设备重量 Weight of equipment	4000KG	4000KG

性能特点 PERFORMANCE CHARACTERISTICS >>>

1. 机器人强大的运算功能，高精度作业，可以实现快速码垛、拆垛工作。
2. 生产线中，进行码垛、拆垛作业的机器人码垛可以灵活布局，可以同时码垛两条线或者多条线，是生产线末端进行码垛作业的理想之选。
3. 伺服电机、可编程控制器、变频调速控制器采用品质一流的产品，确保了系统硬件的可靠性和长寿命。
4. 硬件和由专家设计的专门控制软件相组合，实现了系统高度的自动化。完善的安全联锁机制，可以对设备和操作人员提供保护。
5. 我们卓越的技术、稳定可靠的产品和完善的服务，全面提高工厂自动化水平。



1. The powerful computing function of the robot, high-precision operation, can achieve rapid stacking and stacking work.
2. In the production line, the robot stacking for stacking and stacking operations can be flexibly arranged, and two or more lines can be stacking at the same time.An ideal choice for the industry.
3. Servo motors, programmable controllers, and variable frequency speed control controllers adopt first-class products to ensure the reliability and long life of the system hardware.
4. The combination of hardware and special control software designed by experts has realized the high automation of the system. Perfect Safety interlock mechanism can provide protection to equipment and operators.
5. Our excellent technology, stable and reliable products and perfect services to improve the factory automation level.

技术参数 TECHNICAL PARAMETERS >>>

产品型号 Product Model	DYL-MD45	耗气量 Gas consumption	110L/min
动力电源 Power supply	220/380V : 50HZ	功率 power	6.5KW
控制电压 Control Voltage	24V DC	驱动方式 Drive Mode	伺服电动驱动
压缩空气 compressed air	0.5Mpa		

主要性能特点

MAIN PERFORMANCE FEATURES

>>>

- 1.采用技术设计，人机界面，简便清晰，人性化操作方式。
- 2.外形简洁、美观，结构新颖、独特，维修方便。电子感应薄膜输送，送膜平稳，换膜快捷便利。
- 3.采用恒温式封切刀，封口均匀平整，使用寿命长。
- 4.变频调速输送机构，传动精确同步，传送可靠。
- 5.收缩室采用循环运风技术，结构合理、隔热保温，温控精度高，收缩包装效果更佳。
- 6.配套德国西门子、日本OMRON、UNIQUC等先进的控制元器件，装备精良。
- 7.国内中速度热收缩膜包装机领域的机型。操作简单、维修方便。

1. Adopt technical design, man-machine interface, simple and clear, humanized operation mode.
2. The shape is simple, beautiful, the structure is novel, unique, and convenient for maintenance. Electronic induction film transport, smooth film delivery, quick and convenient film exchange.
3. Constant temperature type sealing cutter is adopted, the sealing is even and even, and the service life is long.
4. Frequency conversion speed control and transmission mechanism, transmission precise synchronization, reliable transmission.
5. The shrinkage room adopts circular air transport technology, with reasonable structure, thermal insulation, high temperature control accuracy, and better shrinkage packaging effect.
6. Supporting German Siemens, Japanese OMRON, UNIQUC and other advanced control components, well-equipped.
7. Domestic medium speed heat shrinkable film packing machine. Easy operation and maintenance.

随机文件及备件

RANDOM DOCUMENTS AND SPARE PARTS

>>>

- 1.机械操作说明书1份
- 2.电气操作说明书1份
- 3.变频器说明书1份
- 4.电气故障排除手册1份
- 5.温控表说明书1份
- 6.合格证1份

1. A manual of mechanical operations
2. One manual of electrical operations
3. Inverter manual 1
4. Electrical troubleshooting manual 1
5. One thermometer manual
6. Certificate of eligibility 1



主要技术参数

MAIN TECHNICAL PARAMETERS

>>>

包装排列形式 Packing arrangement form	2行×3列，3行×4列，4行×6列 (依瓶型定)	膜卷宽度 Membrane roll width	≤580mm
工作电压 Operating voltage	三相五线制380V/50Hz；30KW	薄膜厚度 Thickness of film	0.06~0.12mm
工作电压 working pressure	0.6~0.8Mpa	膜卷直径 Membrane roll diameter	≤400mm
用气量 Amount of gas used	0.35立方米/分钟	工作噪音 Work noise	≤65dB
收缩室 Shrink room	L×W×H=2400×650×450(mm)	总重 Total weight	2500kg
包装效率 Packing efficiency	25包/分钟	外形尺寸 Shape Size	L×W×H=13840×1100×2100(mm)
封切温度 Seal temperature	170℃~200℃	外箱尺寸 Box Size	主机：3400×1250×2350mm 收缩机：4100×1100×1750mm
收缩温度 Contraction temperature	150℃~280℃	进料输送带宽度 Incoming tape width	541mm
包装材料 Packaging materials	PE	输送带高度 Conveyor belt height	依据灌装生产线高度制造 (范围100mm)

主要零部件明细

DETAILS OF MAIN COMPONENTS

>>>

部 件	采用技术	品 牌	部 件	采用技术	品 牌
恒温式封切刀	SHF技术	L660	下刀气缸 (机械动作核心部件)	台湾	UNIQUC
PLC控制器 (自动控制核心部件)	日本	OMRON	中间继电器	法国	SCHNEIDER
触摸屏	台湾	WEINVIEW	接近开关	韩国	AUTONICS
电机保护器	德国	3UAI040-OG	接触器	德国	SEIMENS
变频调速器	台湾	TAIAN	收缩机网状输送带	美国	杜邦

简介

BRIEF INTRODUCTION

>>>

本机为低成本卸垛设备，采用低位方式（人工拆膜、取隔板）卸垛，输出高度和生产线相同，直接与生产线相连接，经济实用，需要地坑安装。

本机采用双向托盘自动找正、定位瓶垛，液压升降机定位升降、双伺服自动推瓶，伸缩平板过渡，多排链道缓冲、单列（双列）转弯链输出，PLC控制。

This machine is a low-cost unloading equipment, using a low level(manual removal film, separation plate) unloading, output height The same as the production line, directly connected with the production line, economical and practical, requires pit installation.

This machine adopts bidirectional tray to automatically find the correct and positioning bottle stack, hydraulic lift positioning lift, double servo automatic push Bottle, retractable plate transition, multiple chain buffer, single(double) turn chain output, PLC control.

技术参数

TECHNICAL PARAMETERS

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产能 Capacity	1层/1.5分	功率 power	5Kw（含液压站）
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主要配置

MAIN CONFIGURATION

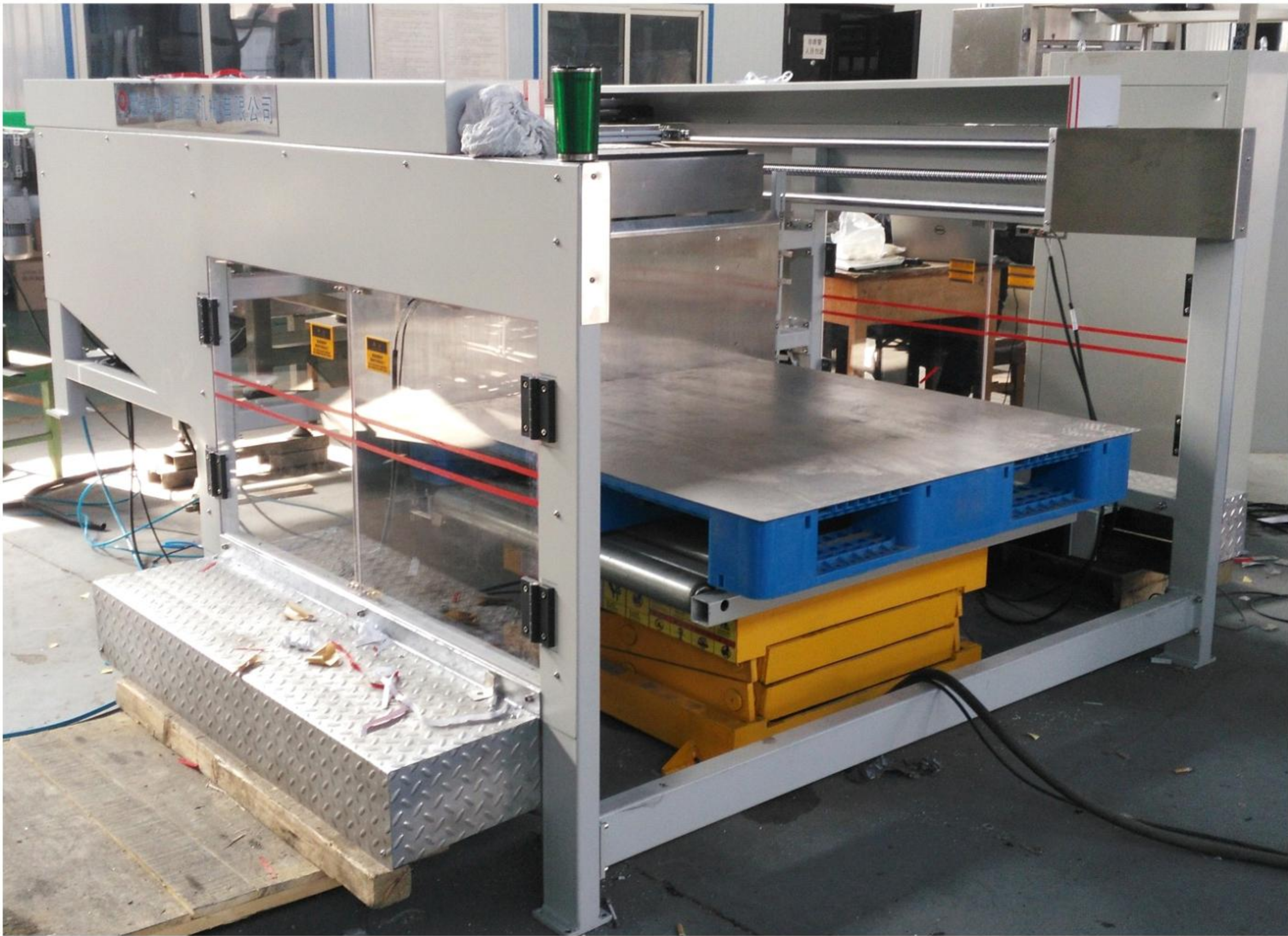
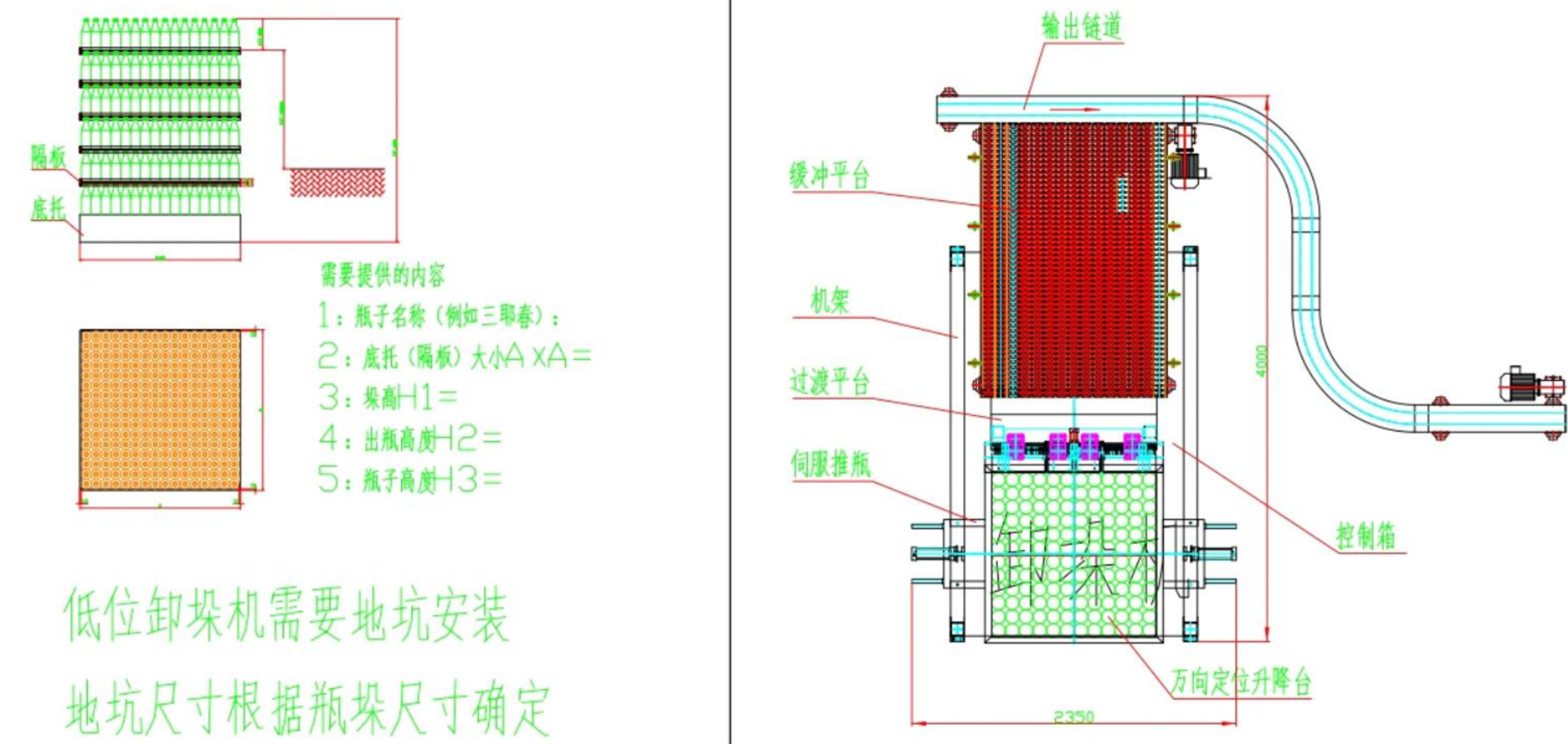
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名称 name	数量 number	品牌 brand
机架 Frame	1	碳钢喷塑处理Spraying treatment of carbon steel
伺服电机 Servo motor	2	施耐德 Schneider
触摸屏 touch screen	1	施耐德 Schneider
气动元件 Pneumatic components		亚德客 Yadeke
过渡输送链 Transitional transport chain		不锈钢 stainless steel
光电检测 Photoelectric detection		施耐德 Schneider
输送电机 Transmission motor		合资出口型 Joint venture export type

平面图

PLAN

>>>



简介

BRIEF INTRODUCTION >>>

BZH12型全自动装盒机为我公司研发的一种高效包装设备，它在首次实现了包装物的竖盒包装，并能满足多种瓶型的装盒要求，具有广阔的市场前景。

Bzh12 full-automatic packing machine is a kind of high-efficient packing equipment developed by our company. It has realized the vertical packing of packing materials for the first time, and can meet the requirements of various bottle-type packing. It has a broad market prospect.

设备配置

DEVICE CONFIGURATION >>>

- 1.伺服电机、控制元件、变频器均为OMRON产品。

2.本机采用OMRON人机界面，8.4寸65000色真彩触摸屏。

3.小型继电器采用OMRON，端子全部采用菲尼克斯，电机动力电缆、控制电缆采用3C认证品牌，控制电缆采用屏蔽电缆，索头、中间端子等采用IP67标准。

4.主要气动元件采用SMC产品。

5、光电检测元件采用P+F产品。

6.本机全不锈钢机架，外形表拉丝处理。

7.热熔胶机选用Nordson产品。

8.真空泵采用进口产品。
1. Servo motor, control element, frequency converter are OMRON products.

2. This machine uses the OMRON human interface, 8.4 inches 65,000 color real color touch screen.

3. Small relays use OMRON, terminals all use Phoenix, motor Power cable, control cable adopted 3C certification brand, control cable adopted shielding Cables, cable heads, intermediate terminals, etc. adopt the IP67 standard.

4. The main pneumatic components use SMC products.

5, photoelectric detection elements use P+F products.

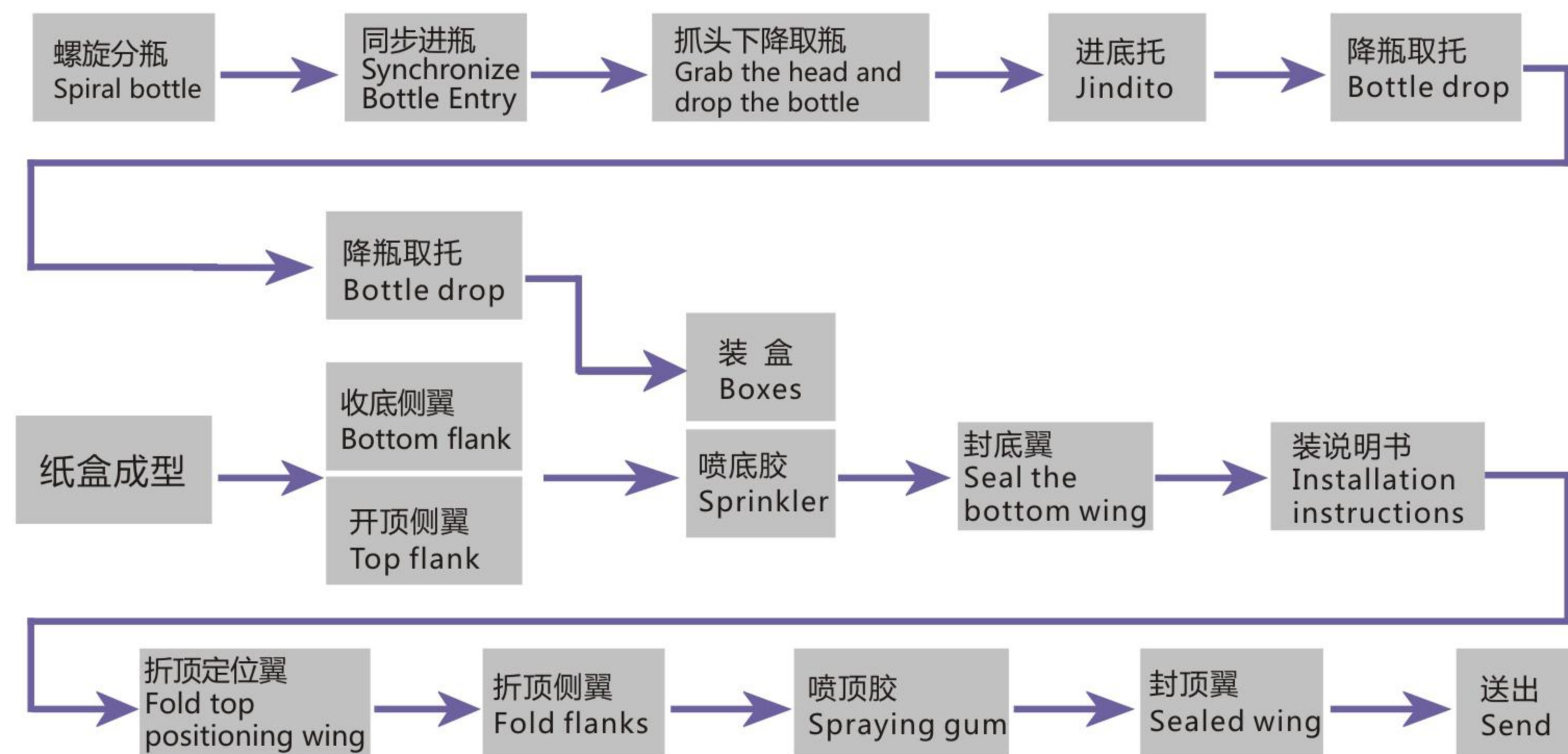
6. This machine is full of stainless steel frame, and the shape table is pulled.

7. Hot melt machine uses Nordson products.

8. Vacuum pumps use imported products.

工艺流程

TECHNOLOGICAL PROCESS >>>



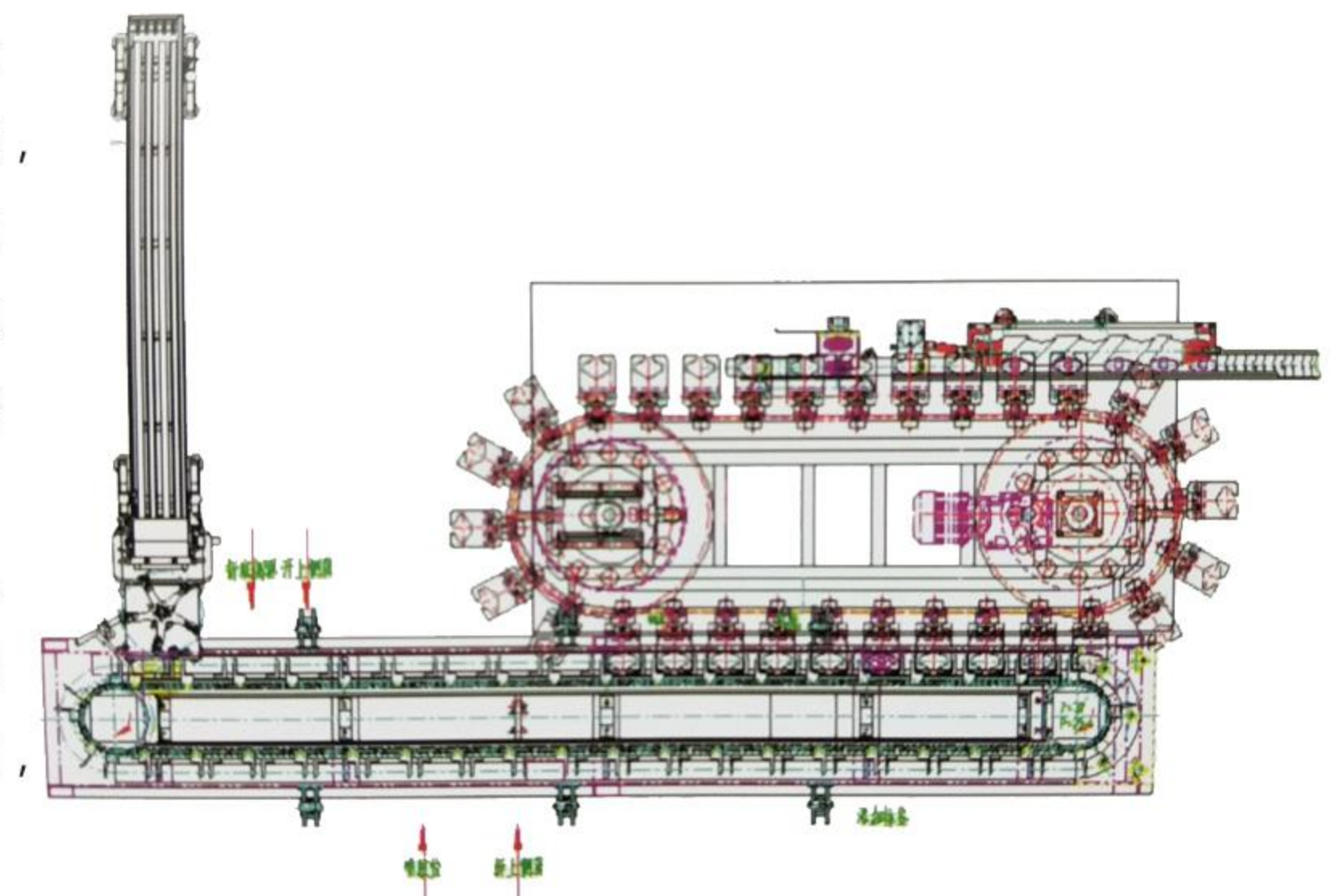
组成与原理

COMPOSITION AND PRINCIPLE >>>

本机由开盒机、同步进行瓶机、装盒机、同步底托机、封盒机、同步输盒机、各折边单元及添加说明书机构、电气执行控制、电光检测等部分组成。如下图：

工作原理：当贴标后的瓶子由运输链输送过来后，经过进瓶螺旋分瓶，分瓶后的间距和装盒机的间距、速度、方向一致，此时由凸轮控制的机械式抓头下降，抓取瓶子后提升，在这个区间，送托机构把底托送入瓶子的下部，和机器作同步运动，在同步运动过程中，瓶子下降，拾取底托后上升到设定的高度。纸盒开盒机采用行星旋转机构，配合旋转分配真空，靠行星运动跪地吸取盒胚、对开成型、送入纸盒输送链，在纸盒输送链上采用双轮曲柄连杆机构，在同步运动中，折合底侧翼，喷热熔胶，折合粘插底翼，同时打开上顶侧翼；当纸盒运动到和瓶子重合时，瓶子下降，实现运动中装盒。装盒后装填说明书，折合顶侧翼、折合顶定位置、折合顶侧翼、喷热熔胶、折合粘插顶翼，完成输出。

所有的折合动作均采用向此的双轮曲柄连杆机构，有良好的互换性，执行动作均采用可靠性、灵活性较好，运动定位精度高的伺服驱动，配合光电检测、结合真空、气动机构，由PLC自动控制来实现。



This machine is executed by a box opener, a synchronous bottling machine, a synchronous Packer, a synchronous Packer, a sealing machine, a synchronous box conveyor, various folding units, and an additional instruction manual mechanism, and an electrical execution. Control, electro-optic detection and other components. As shown below:

Working principle: when the tagged bottle is transported from the transport chain, after entering the bottle spiral bottle, the distance after the bottle is the same as the distance, speed, and direction of the Packer. At this time, the mechanical grip controlled by the cam descends, grabs the bottle and lifts it. In this interval, the delivery mechanism sends the base into the lower part of the bottle and synchronizes with the machine. During the synchronous movement, the bottle drops and picks up the base and rises to a set height. The carton box opener uses a planetary rotating mechanism to distribute the vacuum with rotation, relying on the planet Movement kneels to absorb the box embryo, open the mold, send to the carton transport chain, lose in the carton On the feed chain, a double-wheeled crank linkage mechanism is used. In synchronous motion, the bottom flanks are replaced. Spray heat Sol, equivalent to sticky bottom wing, while opening the upper flank; When the carton moves When it coincides with the bottle, the bottle descends and realizes the box in the movement. Load after loading Manual, equivalent to the top flanks, equivalent to the top position, equivalent to the top flanks, spray heat solution Glue, replace sticky top wing, complete output.

All the replacement actions use a double-wheeled crank linkage mechanism to this, which is good Good interchangeability, the execution of actions are reliable, flexibility is good, the movement is determined High-precision servo drive, combined with photoelectric detection, vacuum, pneumatic mechanism, It is realized by PLC automatic control.

设备优点 EQUIPMENT ADVANTAGES >>>

- 1.本机完成从纸盒成型刀装盒折边的全部工序。

2.本机采用伺服同步技术，配合机械同步传动，各执行单元协调准确。

3.本机采用机、电、气联动，稳定可靠。

4.可实现瓶带托竖直装瓶，避免对商标的损伤。

5.本机功率小，耗电低，机器的操作简单方便，噪音低。

6.采用热熔胶辅助粘盒，增强盒子的封合牢固，提高防伪性能，绿色环保。

7.本机只需要2~3个操作人员，在极大降低劳动强度条件下提高生产效率。

8.本机设有多重包壶，安全性能优良，所有活动门均设有安全开关。

9.该机采用同向输入输出，便于生产布局。

10、本机配置有多种标准辅助机构，扩展性能好，可满足填装说明书，加底托等特殊要求。
1. This machine completes the whole process of folding edge from the carton forming cutter.

2. This machine adopts servo synchronization technology, with mechanical synchronous transmission, each execution unit Accurate coordination.

3. This machine adopts the linkage of machine, electricity and gas, and is stable and reliable.

4. Can realize the vertical bottling of the bottle belt and avoid damage to the trademark.

5. The machine has low power, low power consumption, simple and convenient operation of the machine, and low noise.

6. Using hot melt adhesive assisted adhesive box to enhance the sealing of the box and improve the Anti-Counterfeiting Yes, green.

7. This machine only needs 2 to 3 operators, under the conditions of greatly reducing labor intensity Improve production efficiency.

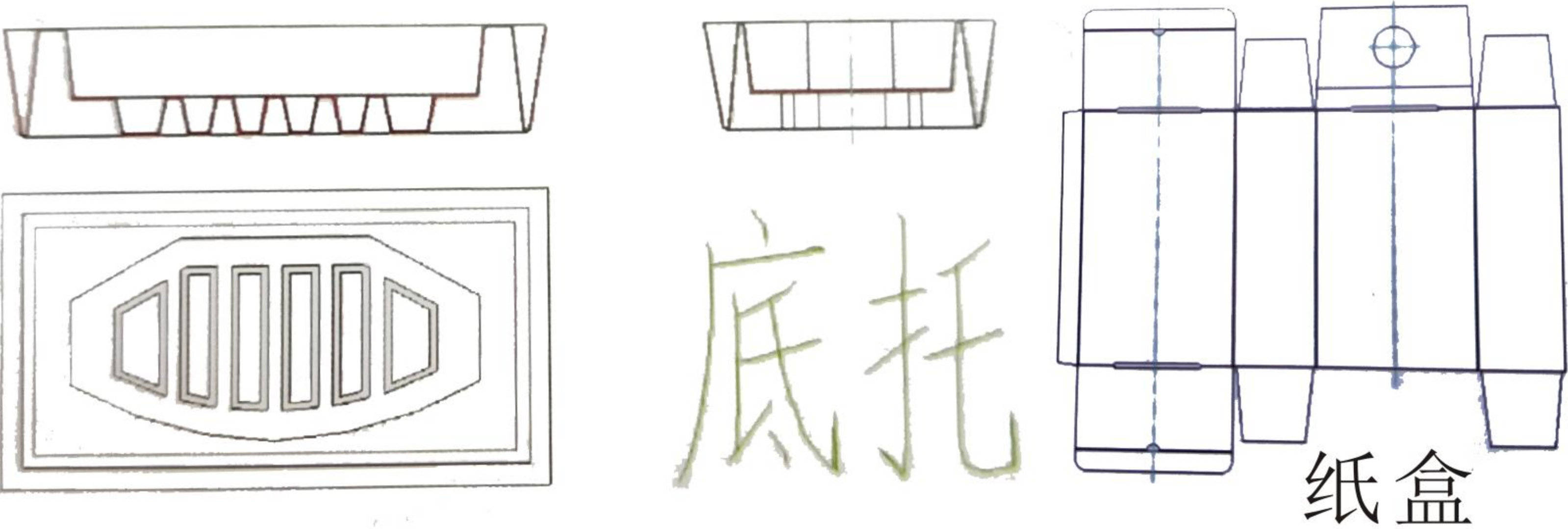
8. This machine has multiple pots, excellent safety performance, all activity doors are provided with an Full switch.

9. The machine uses the same input and output to facilitate the production layout.

10.This machine is equipped with a variety of standard auxiliary mechanisms and has good extension performance. Special requirements such as packing instructions and Dido.

包装材料 PACKAGING MATERIALS >>>

- 1.底托要求如下图：
- 2.说明书尺寸大小要求：长度≤100mm 宽度≤70mm 厚度≥1.5mm
- 3.纸盒形状要求如右图：



技术参数 TECHNICAL PARAMETERS >>>

公称生产能力 Nominated production capacity	120盒/分钟
适用纸盒 Applicable Cartons	152×82×250mm（包装后）
外形尺寸 Shape Size	装盒机2500×1200×2250mm 输送机4350×770×1500mm
设备气源 Equipment gas source	0.6Mpa 80L/min
设备功率 Equipment power	设备总功率13KW 装盒驱动电机380V-3KW 开盒装盒驱动电机380V-3KW 真空泵电机380V-3KW/电溶胶机380V-4KW
纸盒存储量 Box storage	纸箱存储架一次可存放约750个未成型的纸盒，并可随时补充
输送高度 Transmission height	1000±50mm
耗胶量 Gum consumption	≤2g/盒
热熔胶 Hot melt glue	外观片状白色或黄色
开放时间 Opening Hours	4-8s
固化时间 Cure time	≤2s
操作温度 Operating temperature	150℃~180℃
设备重量 Weight of equipment	约6850KG

