



全自动高速智能裱纸机

配置单



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产品介绍










设备特性简介

-  机型为全自动电脑型，程式设定定位全机自动调校，只需在人机界面输入纸张长度和宽度，机器自动校正到位；
The model is a fully automatic computer type, and the program setting and positioning are automatically adjusted by the whole machine. Just input the length and width of paper in the man-machine interface, and the machine will automatically correct it in place;
-  改变以前前后规纸张定位方法，由电脑计算伺服补偿，及时追踪保证贴合精度；
Change the previous paper positioning method of front and back gauge, calculate servo compensation by computer, and track in time to ensure the bonding accuracy.
-  电脑自动计算追踪，大小张换版时，固定前后张间距行程，充分利用机器空间，达到普通贴合机速度的**2-3**倍；
The computer automatically calculates and tracks. When changing large and small sheets, the distance between front and rear sheets is fixed, making full use of the machine space, reaching 2-3 times the speed of ordinary laminating machine;

设备特性简介

-  省略繁琐的人工调校，大大节省调校时间；
The tedious manual adjustment is omitted, which greatly saves the adjustment time;
-  纸张以前后上下电眼侦察，伺服电机自动纠正；
In the past, the upper and lower electric eyes of the paper were used for reconnaissance, and the servo motor automatically corrected;
-  机采用进口时规皮带转动，静音设计；
The machine adopts imported timing belt to rotate, and the design is silent;
-  采用自动补充胶水模块，防止胶水流失或不足；
Automatic glue replenishment module is adopted to prevent the loss or shortage of glue;
-  坑纸采用伺服电机驱动，吸风皮带传送，气压式压校，无论产品纸张多弯曲，生产依然完美无缺。
The paper pit is driven by servo motor, conveyed by suction belt and calibrated by air pressure. No matter how bent the paper is, the production is still perfect.



飞达部

- 飞达头采用专利高速飞达头配合前后侧吹风确保送纸15000张(纸张 $\leq 700\text{mm}$ 内)仍送纸顺畅。
Flying head adopts German high-speed flying head with front and rear side air blowers to ensure smooth feeding of more than 15,000 sheets. (PER $\leq 700\text{mm}$)
- 输送台采用钢板式推纸台，单边侧定位，只需将整堆纸送入即可，无需人工叠纸或预堆纸，为客户每日节约0.5个工人。
The conveying table adopts steel plate type paper pushing table, which is positioned on one side. It only needs to feed the whole sheet piling, without manual paper folding or pre-sheet piling, saving 0.5 workers per day for customers.
- 配备双张检测功能，避免纸张浪费。
Equipped with double-sheet detection function to avoid paper waste.
- 升降输纸台，采用光纤电眼接近开关检测，避免触点式开关频繁启动带来电器故障。
The lifting paper table is detected by optical fiber electric eye proximity switch, so as to avoid electrical failure caused by frequent start of contact switch.

◆ 过桥输送部

- 上下输送带压合式送纸保证面值平稳输送。

The upper and lower conveyor belts are pressed to feed paper to ensure the smooth delivery of face value.

- 面纸和底纸采用光纤检测伺服追踪，贴合精度更加精确，无需人工调节前后。

The top paper and the bottom paper are tracked by optical fiber detection servo, and the bonding accuracy is more accurate, without manual adjustment.

- 前后左右光纤检测纸张运动轨迹，在纸张错误行走时报警停车。

The left and right optical fibers detect the movement track of the paper, and give an alarm to stop when the paper goes wrong.



瓦楞纸台

- 伺服送纸、只需输入长度尺寸、气压式压纸杆能够高度准确连续将纸送出。
Servo paper feeding, only need to input the length and size, and the pneumatic paper pressing lever can continuously feed paper with high accuracy.
- 电动厚压杆、操作简单。
Electric compression bar, simple operation.
- 纸台装有光电计数电眼、无线电眼、无纸时停止报警。
The paper table is equipped with photoelectric counting electric eye and radio eye, and the alarm will stop when there is no paper.
- 纸台附有吸风集尘过滤装置，可吸收底纸的纸尘。避免切换器和鼓风机阻塞。
The paper table is equipped with an air suction, dust collection and filtering device, which can absorb the paper dust of the backing paper. Avoid blockage of switcher and blower.

◆ 上糊贴合部

- 不锈钢网纹辊均匀上糊、通过手柄可方便地调节糊量大小及底纸吃水度，保证浆糊均匀涂布于底纸上。

The stainless steel anilox roller is evenly pasted, and the paste amount and the draft of the backing paper can be conveniently adjusted by the handle, so as to ensure that the paste is evenly coated on the backing paper.

- 通过探针侦测浆糊面的高低来控制自动泵糊系统工作，浆糊损失自动补充、保证上糊质量；探针侦测无浆糊时，在十秒钟无法补充时，机台自动停机。

The probe detects the height of the paste surface to control the work of the automatic paste pumping system, and the paste loss is automatically supplemented to ensure the paste quality. When the probe detects no paste, the machine will stop automatically when it can't be replenished in ten seconds.



上糊贴合部

- 糊泵吸嘴采用过滤网，滤去了浆糊中的杂物，保证上糊质量，延长了糊泵系统和上糊机构使用寿命。

The suction nozzle of the paste pump adopts a filter screen, which filters out the impurities in the paste, ensures the paste quality, and prolongs the service life of the paste pump system and paste mechanism.

- 面纸和底纸的贴合，通过前后两组加压辊完成，第一组加压辊的间隙与纸张的厚度相同，第二组加压辊为纸张厚度的80%，使产品的贴合更加牢固。

The bonding of the top paper and the bottom paper is completed by two groups of pressure rollers, the gap between the first group of pressure rollers is the same as the thickness of the paper, and the second group of pressure rollers is 80% of the thickness of the paper, so that the bonding of products is firmer.

- 采用同步齿形带驱动，大大提高传动的平稳层度和减低机器噪音。

Adopt synchronous toothed belt drive, greatly improve the smooth layer of transmission and reduce machine noise.

◆ 压合部

- 从加压辊出来的贴合纸张通过压条配合重叠有序的进入压着皮带。
The laminated paper coming out of the pressing roller enters the pressing belt in an overlapping and orderly manner through pressing strips.
- 利用加压运送机构和软皮带压附输送纸张，使纸张贴合更加牢固、平整、出压着部就可进行后续工作。
The paper is pressed and conveyed by the pressure conveying mechanism and the soft belt, so that the paper can be stuck more firmly and smoothly, and the follow-up work can be carried out after exiting the pressing part.
- 可移动上部加压输送机构，根据产品的大小充分利用输送机的空间。
The upper pressure conveying mechanism can be moved to make full use of the space of the conveyor according to the size of the product.
- 加长至6米的压着输送部，使纸张贴合更加牢固、平整。
The pressing and conveying part is lengthened to 6m, so that the paper bonding is firmer and smoother.

◆ 整机传动

- 整机动力源采用变频马达伺服电机传动，确保了不同产品所需的不同速度。

The power source of the whole machine is driven by variable frequency motor servo motor, which ensures the different speeds required by different products.

- 全机主要传动部位采用齿形皮带传动，降低了噪音，减少机件本身行走损耗以确保精度，把机器的最高速度提到170张/分钟。

The main transmission parts of the machine are driven by toothed belt, which reduces the noise and the running loss of the machine parts to ensure the accuracy. The maximum speed of the machine is raised to 170 sheets/minute.



产品配置

02



技术参数

型号 Model	GS-1450	
最大尺寸 (宽*长) Max. Sheet Size (W*L)	1300mm*1450mm	
最小尺寸 (宽*长) Min. Sheet Size (W*L)	470mm*360mm	
厚度 Thickness	面纸 Top sheet	170~800g/m ²
	底纸 Bottom sheet	0.5- 10mm(B,A,AB, E flute, etc.)
精度 Laminating Accuracy	±1mm	
最大速度 Max. Speed	170m/min	
电力要求 Power	29KW	
机器尺寸 Dimension L*W*H	15000mm*2200mm*2500mm	
底纸码纸高度 Height of Bottom Paper	400mm	
面纸码纸高度 Height of Top Paper	1800mm	
机器重量 Machine weight	7.6T	

型号 Model	GS-1650	
最大尺寸（宽*长） Max. Sheet Size (W*L)	1300mm*1650mm	
最小尺寸（宽*长） Min. Sheet Size (W*L)	470mm*360mm	
厚度 Thickness	面纸 Top sheet	170~800g/m ²
	底纸 Bottom sheet	0.5- 10mm(B,A,AB, E flute, etc.)
精度 Laminating Accuracy	±1mm	
最大速度 Max. Speed	170m/min	
电力要求 Power	29KW	
机器尺寸 Dimension L*W*H	15000mm*2400mm*2500mm	
底纸码纸高度 Height of Bottom Paper	400mm	
面纸码纸高度 Height of Top Paper	1800mm	
机器重量 Machine weight	8.2T	

主要部件品牌 Main Components Brand:

零部件 COMPONENT	品牌 BRAND
智能纠偏伺服电机 Intelligent Servo Motor	安川 日本 Yaskawa Japan
主伺服电机 Servo Motor	安川 日本 Yaskawa Japan
变频器 Converter	安川 日本 Yaskawa Japan
变频器 Converter	安川 日本 Yaskawa Japan
瓦纸伺服电机 Servo Motor	安川 日本 Yaskawa Japan
主传动部轴承 Bearing	NSK 日本 NSK Japan
接近感应器 Proximity Sensor	欧姆龙日本 OMRON

<p>光电传感器 Photoelectric Sensor</p>	<p>欧姆龙 日本 OMRON Japan</p>
<p>编码器 Encoder</p>	<p>欧姆龙 日本 OMRON Japan</p>
<p>开关电源 Switching Power Supply</p>	<p>欧姆龙 日本 OMRON</p>
<p>吸风皮带 Suction Belt</p>	<p>尼塔 日本 NITTA Japan</p>
<p>输送皮带 Feeding belt</p>	<p>尼塔 日本 NITTA Japan</p>
<p>专用电磁阀 Solenoid Valve</p>	<p>SMC 日本 SMC Japan</p>
<p>主传动部轴承 Bearing</p>	<p>NSK 日本 NSK Japan</p>
<p>同步带 Synchronous Belt</p>	<p>阪东 日本 BD Japan</p>
<p>同步带 Synchronous Belt</p>	<p>盖茨 美国 GATES, USA</p>

同步带 Synchronous Belt	马牌 德国 Continental Germany
交流接触器 AC contactor	西门子 德国 SIEMENS Germany
接近传感器 Proximity Switch	西门子 德国 SIEMENS Germany
中间继电器 Intermediate Relay	西门子 德国 SIEMENS Germany
端子台 Terminal	西门子 德国 SIEMENS Germany
选择开关 button	西门子 德国 SIEMENS Germany
开关按钮 Switch button	西门子 德国 SIEMENS Germany
断路器 Breaker	西门子 德国 SIEMENS Germany
急停开关 STOP button	西门子 德国 SIEMENS Germany

<p>过载保护器 Leakage protection</p>	<p>西门子 德国 SIEMENS Germany</p>
<p>中间继电器 Intermediate Relay</p>	<p>西门子 德国 SIEMENS ,Germany</p>
<p>压平输送带 Belt</p>	<p>意大利 Italy</p>
<p>气动元件 Pneumatic element</p>	<p>亚德客 德国 Airtac Germany</p>
<p>飞达输送减速电机 Motor</p>	<p>晟邦 台湾 CPG Taiwan</p>
<p>行走电机 Walking motor</p>	<p>晟邦 台湾 CPG Taiwan</p>
<p>定位电机 Motor</p>	<p>晟邦 台湾 CPG Taiwan</p>
<p>提升链条 Chain</p>	<p>TYC 台湾 TYC , Taiwan</p>
<p>升降电机 Motor</p>	<p>利茗 台湾 Liming,Taiwan</p>

<p>压纸气缸 Cylinder</p>	<p>气立可 台湾 CHELIC TAIWAN</p>
<p>液位继电器 Liquid Level Relay</p>	<p>松陵 台湾 Song Ling, Taiwan</p>
<p>离合器 Cluth</p>	<p>仟岱 台湾 Chain Tail, Taiwan</p>
<p>轴流风机 Axial flow fan</p>	<p>SUNON 台湾 SUNON TAIWAN</p>
<p>真空泵 Vacuum Pump</p>	<p>欧乐霸 台湾 EUROVAC, Taiwan</p>
<p>压合减速马达 Motor</p>	<p>东力 厦门 DL Xiamen</p>
<p>运动控制编程系统 Motion Control System</p>	<p>威科达 深圳 WEIKEDA, SHENZHEN</p>
<p>专利飞达头 Feeder 12000P/hr</p>	<p>川佳 台湾 CHUAN JIA, Taiwan</p>
<p>漩涡气泵 Vortex P ump</p>	<p>恒力 中国 HengLi China</p>

LED警示灯 LED liter	可莱特 中国 Qlight China
马达 Motor	猛牛 中国 MN China
触摸屏 HMI	显控 中国 Samkoon China
专用变压器 Servo special transformer	征西 中国 ZHENGXI China
航空插头 The aviation plug	澳普龙 中国 AOPULO CHINA
裱胶轴 Roller	广州 GUANG ZHOU

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如有任何疑问请与我们联系，感谢您的观看！



CANGZHOU RUIJIE CARTON MACHINERY CO.,LTD

ZHENGZHUANG VILLAGE,DONGGUANG COUNTY,HEBEI PROVINCE,CHINA

MYQ SERIES LEAD EDGE FEEDING DIE CUTTING CREASING MACHINE WITH 4 SIDES STRIPPING



The color: Red or Green



RUIJIE.CHINA 中国.瑞杰

FOCUS ON DIECUTTING MORE THAN 20 YEARS!

专注模切 20 年!



CANGZHOU RUIJIE CARTON MACHINERY CO.,LTD

ZHENGZHUANG VILLAGE,DONGGUANG COUNTY,HEBEI PROVINCE,CHINA

Main specification		
1.	Die cutting style	Platen
2.	Max.paper size	1520x1120mm
3.	Min.paper size	500x450mm
4.	Max.Diecutting size	1500x1100mm
5.	Max.Diecutting pressure	450T
6.	Paper processed cardboard	1mm-9mm
7.	Waste paper edge	Min.10mm
8.	Max.Diecutting speed	6000 sheets/h
9.	Bite paper edge	Min.6mm
10.	Power	18.5KW
11.	Total power	40KW
12.	Voltage	380V,3PH,50/60HZ
13.	Gross weight	34Tons

Accurate, fast, durable, stable performance; Adopt international advanced configuration, the performance reaches the international level; The fine structure of the machine, from the paper feeding, paper conveying to die cutting, waste stripping, paper collection, the appearance design and safety standards are used the most advanced structure design of RUIJIE ; Select the best imported components, change the previous optional structure to standard configuration; Comprehensively improve the speed, accuracy, stability, safety.

精准，速度快，耐用，性能稳定；采用国际先进配置，性能达到国际水平；整机结构细微之处，从送纸，输纸到模切，清废，收纸，从外观设计到安全标准均应用了 RUIJIE 最先进的结构设计；选用最佳进口元器件，将以往选配结构改为标准配置；全面提升速度，精度，稳定性，安全性。



CANGZHOU RUIJIE CARTON MACHINERY CO.,LTD

ZHENGZHUANG VILLAGE,DONGGUANG COUNTY,HEBEI PROVINCE,CHINA

Lead edge paper feeding unit 前缘送纸部



- 1.The front baffle can be adjusted up and down according to different paper thickness.
 - 2.Equipped with high pressure blower, air volume separate frequency control.
 - 3.New up graded lead edge feeder, more accurate and positive feeding, greatly increasing the paper adaptability.
 - 4.High speed and precise lead edge feeder, absolute minimal marking to sheet.
- 1.前挡板可根据纸张厚度的不同上下调整。
 - 2.配备大功率风机，风量变频控制。
 - 3.全新升级前缘送纸机，送料更准确，大大提高纸张适应性。
 - 4.高速精密前缘送纸，有效防止送纸时在纸张表面产生的划痕。



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Paper conveying unit 输纸部分



1. Right and left side gauge to cover varying registration as required. Advanced push and pull gauge & adjustable rubber transport wheels and brushes can accurately put the board into the exact die-cutting position.

2. JAPAN OMRON photoelectric sensor can effectively prevent paper misplacement into the machine, thus reducing the rejection rate and improving the die-cutting accuracy.

1. 左右推规方式，可满足不同的印刷套准要求，保证了高精度。先进的推规和拉规和可调节橡胶轮及毛刷轮，确保纸张精确定位送达模切部。

2. 日本欧姆龙电传感器可以有效的预防纸张错位进入机器，从而降低了废品率，提高了模切精度

Die-cutting unit



- 1.Crankshaft connecting rod type high precision plane movable die-cutting table.
 - 2.High stability upper platen fixed die-cutting table.
 - 3.High quality precision worm gear and the synchronous belt perfect combination of transmission, smooth and durable.
 - 4.High torque pneumatic clutch/break.
 - 5.Famous brand multi cam intermittent transmission mechanism,improve machine life.High quality torque clutch protects INDEX from injury.
 - 6.Bevel pressure trimming device, the overall adjustment pressure range is + 1.5mm.
 - 7.High quality,imported pre-stretched gripper bar driving chain.
 - 8.Ensure the accuracy of the machine.
- 1.曲轴连杆式高精度平面移动模切台。
 - 2.高稳定性固定上模切板。
 - 3.高品质精密蜗轮与同步带完美结合传动，平稳耐用。
 - 4.高扭矩气动离合器/刹车。
 - 5.名牌多凸轮间歇传动机构，提高机器使用寿命。高品质扭矩离合器保护相关部件免受伤害。
 - 6.斜面压力调节装置，整体调节压力范围+ 1.5mm。



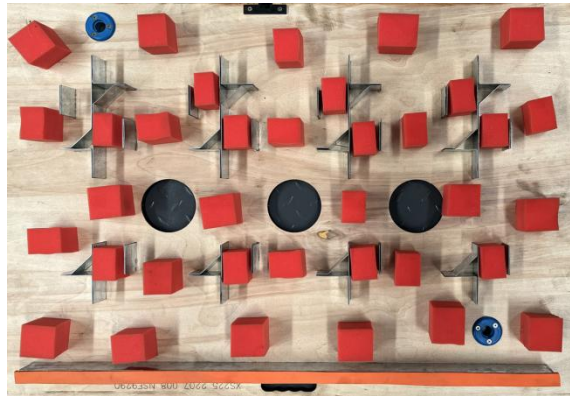
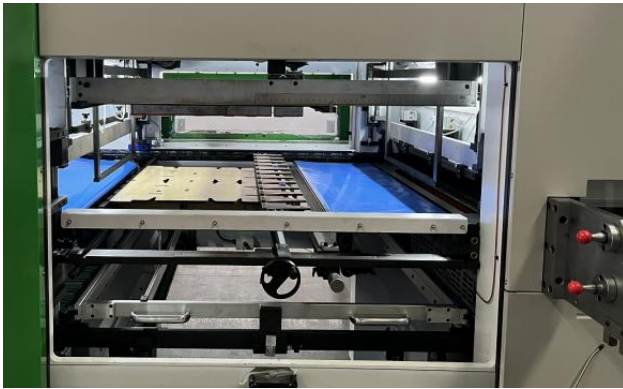
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7.高品质，进口预拉伸牙排体传动链条。

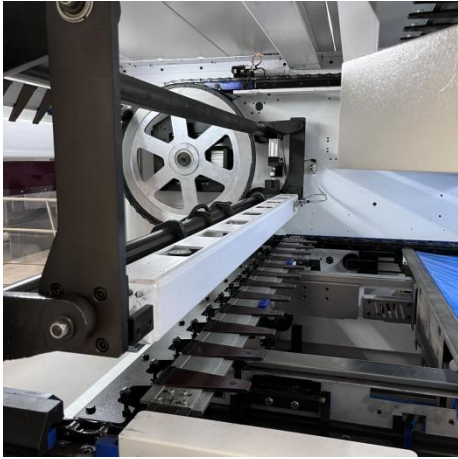
8.确保机器的精度。

Stripping Unit



1. The upper and lower frames are link work stripping device, which is stable, accurate and powerful. Stripping plate adopts Yin-Yang form work. The central positioning device makes changing plate more convenient and save time. Upper frame lifting with electric.
2. Male and female templates are used to realize different stripping work. Equipped with a complete waste stripping device, can clear the tooth row paper edge, greatly improve the production efficiency.
3. 上下机架均为连杆式工作剥离装置，稳定、准确、有力。剥板采用阴阳形式工作。中心定位装置，换板更方便，节省时间。上框架电动升降。
4. 采用公母模板来实现不同的清废工作。配备全清废装置，可清除牙排纸边，生产效率大大提高。

Delivery unit



The way of taking up Paper lifting Table with Roller bracket prevents the cardboard surface from being scratched during the paper delivery process. The whole stacking paper or counting belt output is convenient and quick. The adjustable spring chain buffers the driven wheel after tightening, which greatly reduces the inertial impact of the gripper row steering and maintains the equilibrium tension of the chain.

采用滚轮支架取纸升降台的方式，可防止送纸过程中纸板表面划伤。整垛输出或计数输出方便快捷。可调式弹簧链对紧后的从动轮进行缓冲，大大降低了牙排体转向时的惯性冲击，保持了链条的平衡张力。

Electric system



1. All the electrical products of this machine adopt international famous brands:SIEMENS,YASKAWA,Schneider, Omron,MITSUBISHI,Pizzato and so on .
2. CE safety certification. The security system designed in strict accordance with CE standard provides stable



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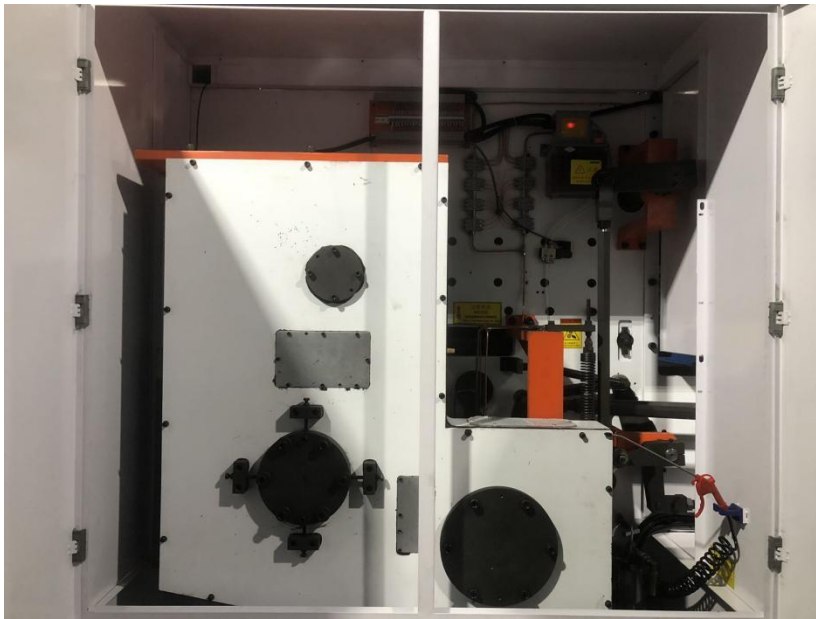
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and reliable security and instant clear alarm prompt, so that the fault can be quickly removed.

1. 本机电器产品均采用国际知名品牌:SIEMENS、安川、施耐德、欧姆龙、三菱等。
2. CE 认证。严格按照 CE 标准设计的安全系统，提供稳定可靠的安全性，及时清除告警提示，使故障能够快速排除。

The intermittent mechanism adopts the ternary CAM mechanism, so that the paper can still be smooth and smooth transmission at high speed, and reduce the impact of intermittent mechanism on the whole machine at high speed, and improve the durability of the machine.

间歇机构采用三元凸轮机构，使纸张在高速下仍能平稳地传动，减少了间歇机构在高速下对整机的冲击，提高了整机的耐久性。





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THE ATTACHMENT

OUTPUT CONVEYOR (option) common stack

LIFT PLATFORM











Main parts and brand (All super brand)

Name	Picture	Brand	Remarks
Main shaft			High-frequency quenching
wallboard			high strength cast iron
Gripper bar			Lightweight and durable aluminum alloy
Gear box		Shengbao /Taiwan	



CANGZHOU RUIJIE CARTON MACHINERY CO.,LTD







ZHENGZHUANG VILLAGE,DONGGUANG COUNTY,HEBEI PROVINCE,CHINA

Air clutch		Yuyi /Shanghai	
Reduction motor		Chengbang /Taiwan	
Main chain		Renold /UK IWIS /Germany	Diecutting chain professional
Main Bearing		SKF /Sweden	
Frequency converter		Fuji /Japan	
Pneumatic valve		Airtac /Taiwan	
Alarm light		Q-light /Korea	
Disjuncter		LS /Korea	



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Contactor		Fuji /Japan	
Button		Schneider /France	
PLC		Vigor/Taiwan Mitsubishi /Japan Delta/Taiwan	
Sensor		Omron /Japan	
Main motor		Siemens /Germany	
HMI		Delta /Taiwan	