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MACHINERY MANUFACTURER OF **LUXURY PAPER BAGS**

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**CHAMPION**  
MACHINERY



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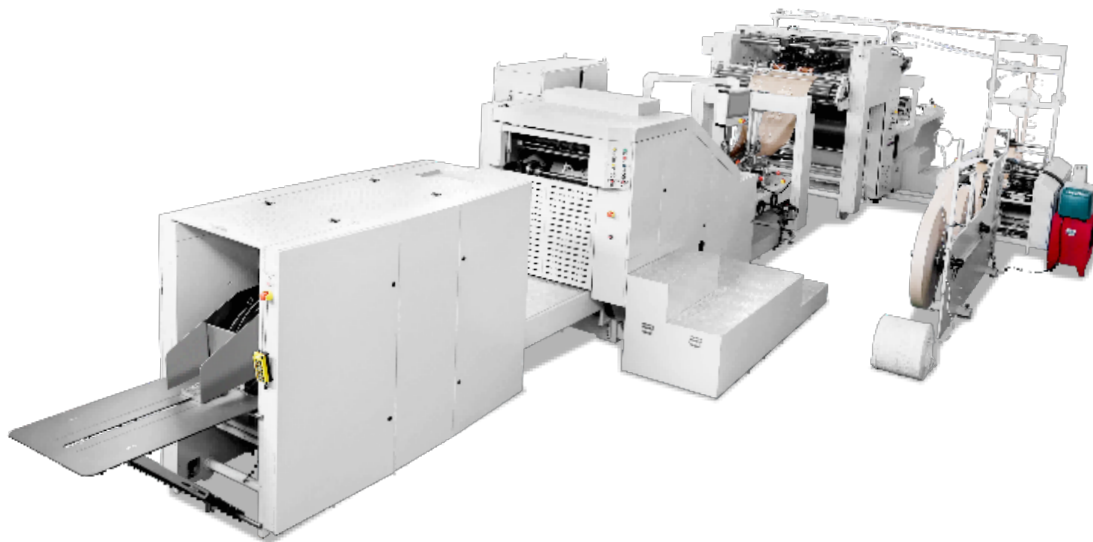
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## MC-450AT

Automatic Shopping Paper Bag Machine

With Twisted Rope Handle Inline

全自动购物纸袋机（带扭绳手柄）

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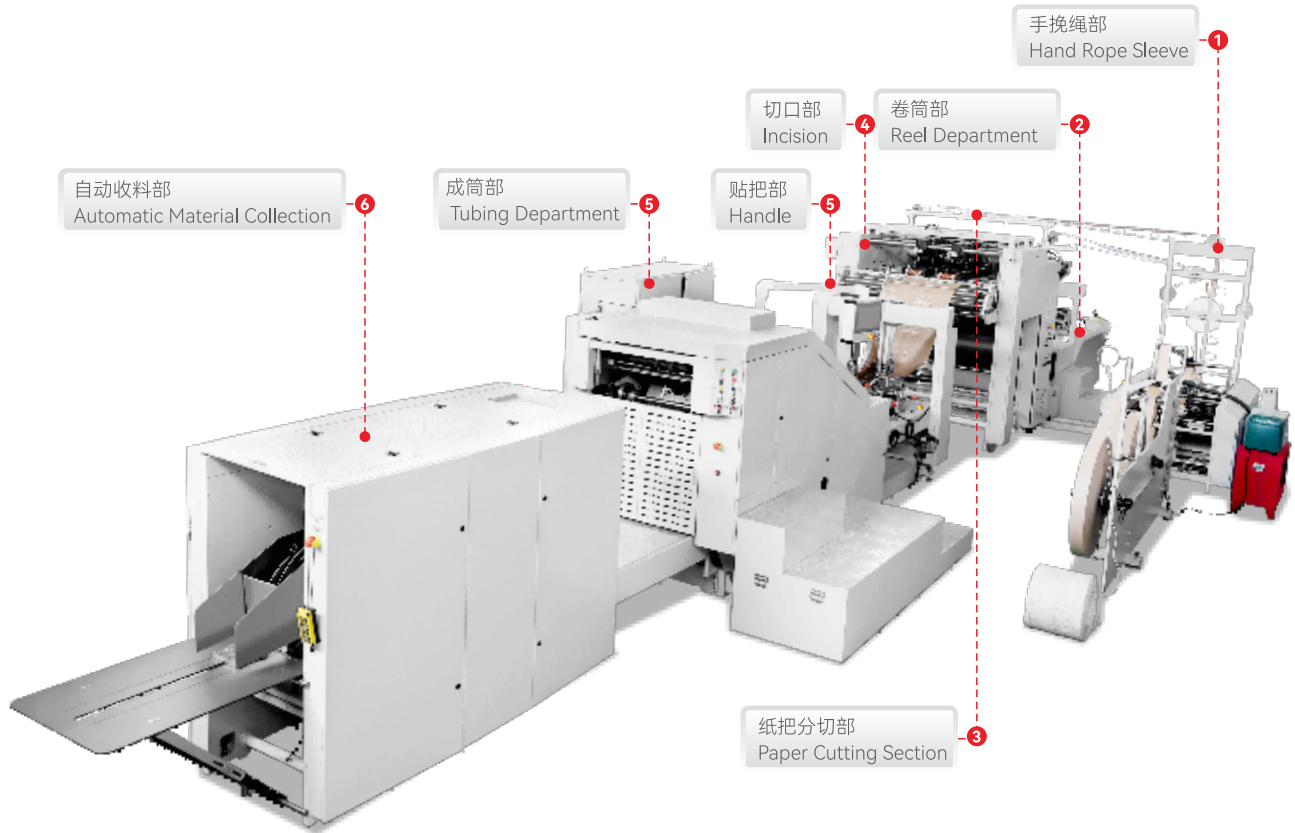
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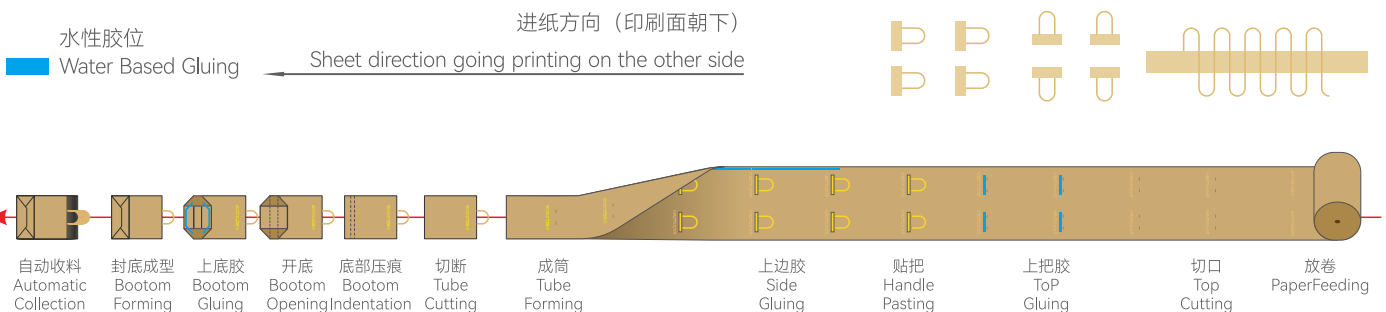
# MC-450AT

## Automatic Shopping Paper Bag Machine With Twisted Rope Handle Inline

### 全自动购物纸袋机（带扭绳手柄）



#### 工艺流程图 Process Flowchart





## 机器说明 Machine Description

卷筒式方底纸袋机，采用卷筒空白纸或印刷好的纸卷为原料，由自动中心进胶、印刷跟踪、定长切断、底部压痕、折底、底部涂胶、袋底成型、成品袋收集一次性完成，该机更方便、更高效、更稳定，可生产各种不同规格的纸袋，休闲食品袋、面包袋、干果袋等环保型纸袋机设备。

Rolling feed square bottom paper bag making machine, it uses paper roll in blank or printed as raw material. consists of automatic centre forward glue, printing tracking, fixed length and cutting, bottom indentation, folding bottom, bottom glue. Bag bottom forming, finished bag collecting one time, The machine is more convenient, more efficient, more stable, can produce a variety of different paper bags, leisure food bags, bread bags, dried fruit bags and so on environmentally friendly paper bag machine equipment.



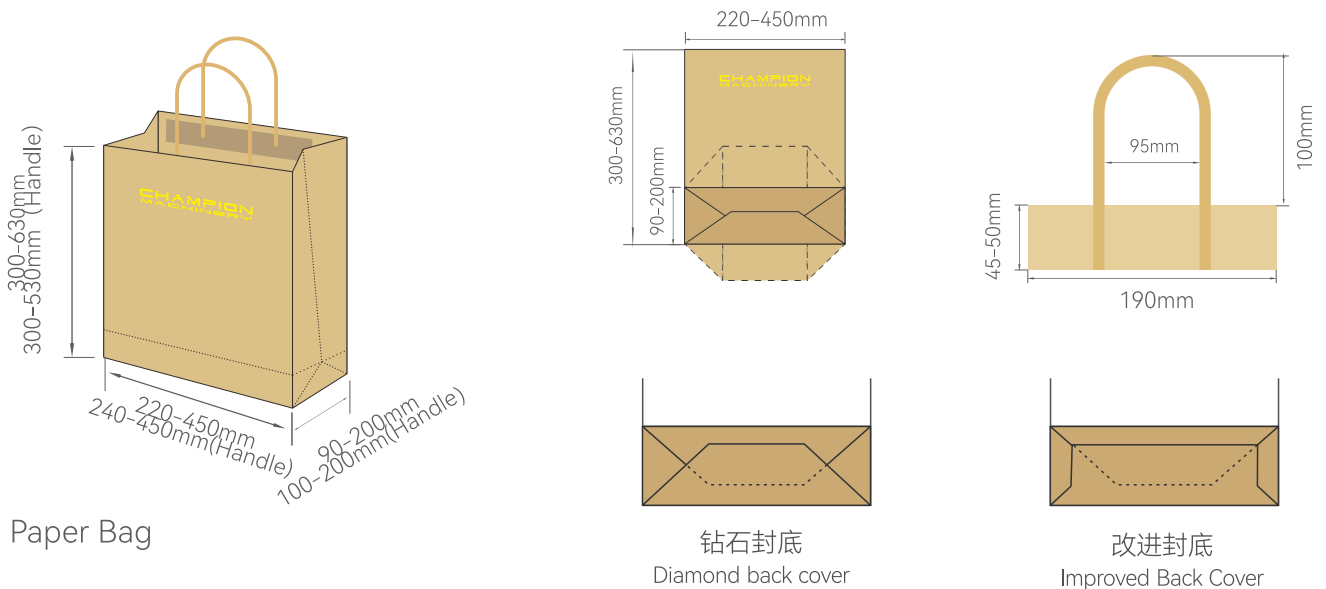
## 机器特点 Machine Features

1. 采用法国施耐德触摸屏人机界面，操作简便，控制便捷。
2. 采用德国原装LENZE Pc控制器，集成光纤，确保高速稳定运行
3. 采用德国原装LENZE伺服电机和德国原装SICK光电眼纠偏，精准跟踪印刷袋长度。
4. 原料上料采用液压上下结构，放卷采用自动张力控制。
5. 采用机械可调式成型板，操作简便。

1. Use France Schneider Touch Screen Human-Computer Interface, operate and control easily.
2. Adopt Germany Original LENZE PC Control, integrated with optical fiber, ensure high speed running steadily.
3. Germany Original LENZE Servo Motor and Germany Original SICK Photoelectric Eye Correction, tracking printing bag accurately.
4. Raw material load adopt Hydraulic pressure up and down structure, unwinding adopt auto tension control.
5. Use mechanical adjustable forming plate for easy operation.



## 参数示意图 Sheet Paper Data





## 核心部件 Core Components

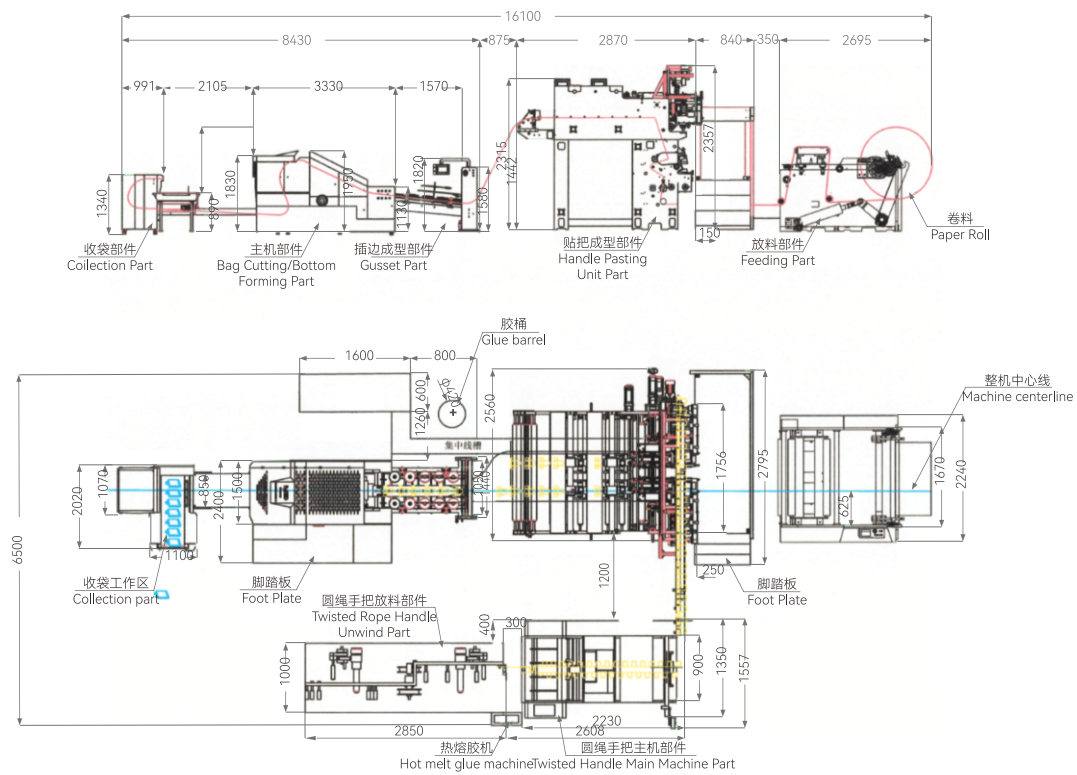
控制系统 Control System			
CPU程序控制器	CPU Program Controller	Germany	LENZE
PLC I/O模块	PLC I/O Module	Germany	LENZE
人机触摸屏界面	Human-computer touch screen interface	France	SCHNEIDER
传动伺服电机	Transmission Servo Motor	Germany	LENZE
制袋伺服电机	Bag forming servo motor	Germany	LENZE
收集器伺服电机	Collector servo motor	Taiwan	DELTA
用于印刷袋跟踪的光电眼	Photoelectric eye for printed-bag tracking	Germany	SICK
光纤通信分离器	Optical fiber communication separator	USA	
低压电器	Low voltage electrical apparatus	USD	EATON
按钮接线盒	Button&Junction Box	Germany	Weidmuller
光电传感器	Photoelectric sensor	Switzerland	BAUMER
气动元件	Pneumatic component	Taiwan	AIRTAG
自动润滑	Auto lubricating	China	
电控箱空调	Air Conditioner For Electric Control Box	China	
纸柄部分 Paper handle part			
EPC控制器	EPC controller	China	MTED
EPC伺服电机	Servo motor for EPC	China	MTED
超声波传感器	Ultrasonic sensor	China	MTED
磁粉制动器	Magnetic powder brake	China	WEIZHENG
热熔机	Hot melt machine	China	MTED
热熔喷嘴	Hot melt nozzle	China	MTED
手柄成型伺服电机	Handle forming servo motor	Germany	Lenze
手柄穿孔伺服电机	Handle perforation servo motor	Germany	Lenze
涂胶伺服电机	Gluing servo motor	Germany	Lenze
手柄传动伺服电机	Handle transmission servo motor	Germany	Lenze
贴合伺服电机	Pasting servo motor	Germany	Lenze
纠偏及张力控制系统 Deviation correction and tension control system			
EPC控制器	EPC controller	Italy	SELECTRA
EPC伺服电机	Servo motor for EPC	Italy	SELECTRA
超声波传感器	Ultrasonic sensor	Italy	SELECTRA
磁粉制动器	Magnetic powder brake	China	WEIZHENG
自动张力系统	Auto tension system	Germany	LENZE
液压自动装载机	Hydraulic auto loader	Taiwan	
传动 Transmission			
同步带	Synchronous belt	China	BELDI
同步轮	Synchronous wheel	China	MTED
轴承	Bearing	Germany	FALA
导辊	Guide roller	China	BAIXIAO
齿轮	Gear	China	MTED
胶位 Glue position			
底胶 (封底白乳胶)	Bottom glue (bottom-sealing white latex)	China	MTED
底胶晚胶电机	Motor for bottom glue evening	China	
气动自动灌胶阀	Pneumatic auto glue filling valve	China	
中心密封喷枪 (密调胶枪)	Spraying gun for center sealing (dense adjust Glue gun )	China	
白乳胶高压胶桶	High-pressure glue barrel for white latex	China	MTED

备注: 本设备升级或更新时, 所购部件将以不低于现有品牌质量的同级品牌产品进行更换。卖方保留不另行通知的权利。

Remarks: The purchased parts used in this machine will be replaced by the same-level brand that is not lower than the existing brand quality when the equipment is upgraded or updated. The seller will reserve the right without further notice.



## 性能及用途 Properties



## 主要技术参数 Technical Data

### 纸袋部分 Paper bag part

袋子高度	Cutting length	300-630mm	300-530mm (Handle)
袋子宽度	Bag width	220-450mm	240-450mm (Handle)
风琴宽度	Bottom width	90-200mm	100-200mm (Handle)
纸张厚度	Paper Thickness	80-140g/m <sup>2</sup>	80-140g/m <sup>2</sup> (Handle)
纸卷最大宽度	Paper roll Maximum width	1330mm	
卷纸直径	Roll paper diameter	φ1200mm	
纸管	Paper core	φ76mm	

### 绳柄部分 Rope handle part

贴片长度	Patch length	190mm	
贴片宽度	patch width	45-50mm	
提手绳高度	Handle rope height	100mm	
手柄距离	Handle distance	95mm	
绳索直径	Rope diameter	φ3-5mm	
手柄纸卷宽度	Patch paper roll width	90-100mm	
手柄纸卷直径	patch paper roll diameter	φ1000mm	
贴片纸厚度	patch paper thickness	80-130g/m <sup>2</sup>	

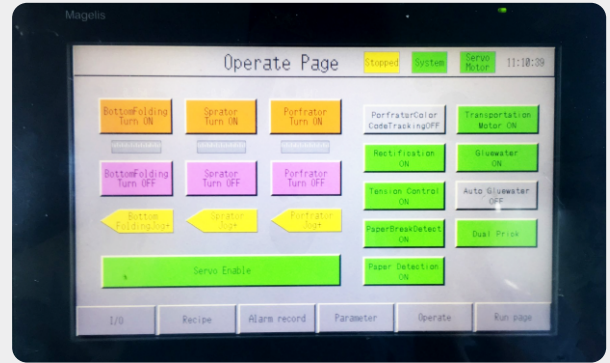
### 规格 Specification

机器速度	Machine Speed	30-150bags/min
无手柄袋子的生产速度	production speed for bags without handles	30-120bags/min
带手柄袋子的生产速度	production speed for bags with handles	30-110bags/min
切刀	Cutting knife	Teeth cutting
电源	Power Supply	380V 3Phase 43KW
机器重量	Machine weight	16T
机器尺寸	Machine size	15000x6000x2700mm



品质描述 Quality Description

1. 采用法国SCHNEIDER触摸屏人机界面控制系统，操作一目了然。  
Using The France Schneider Touch Screen Man-machine Interface Control System, Operating At A Glance.



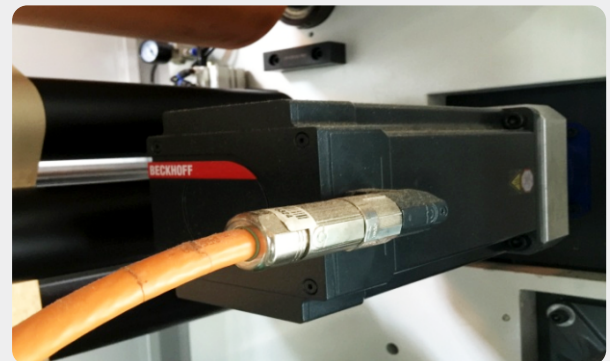
2. 德国Lenze运动控制器（CPU），通过超过100MB的运动控制器，伺服驱动器通过动力线和编码器集成线控制伺服电机运转，实现高速高精度的运动控制  
Germany Lenze motion controller (CPU), motion controller through more than 100 MB, servo driver through the power line and the encoder integrated line control servo motor operation, to achieve high speed and high precision motion control



3. 德国（Lenze）伺服电机，通过100MB以上的运动控制器，伺服驱动器通过动力线和编码器集成线控制伺服电机运转，实现高速高精度的运动控制  
Germany (Lenze) servo motor , motion controller through more than 100 MB, servo driver through the power line and the encoder integrated line control servo motor operation, to achieve high speed and high precision motion control



4. 采用德国（Lenze）伺服电机驱动器，通过100MB以上的运动控制器，伺服驱动器通过动力线和编码器集成线控制伺服电机运转，实现高速高精度的运动控制。  
Germany (Lenze) servo motor driver, motion controller through more than 100 MB, servo driver through the power line and the encoder integrated line control servo motor operation, to achieve high speed and high precision motion control.



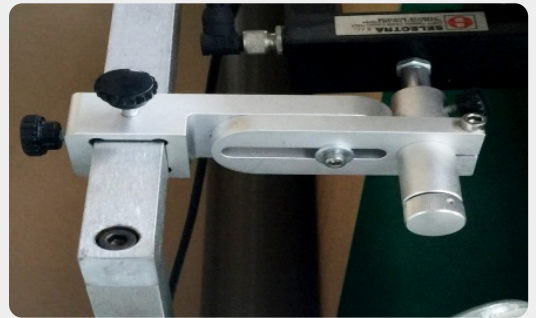
5. 采用美国EATON（伊顿）低压电器，有力的保证了电器的长期使用，确保机器高速运转不不稳定。  
American(EATON) low-voltage electrical equipment, a strong guarantee for the long-term use of electrical equipment to ensure high speed operation of the machine is not stable.



6. 卷纸采用意大利SELECTRA，操作反应速度快，节省对位时间，减少原材料的浪费。  
Roll paper used in Italy SELECTRA, the operation of the reaction rate is quick ,save the alignment time and save the waste of raw materials.



7. 采用超声波模拟对边，反应速度快，校正操作方便，节省时间，避免原材料的浪费。  
The use of ultrasonic simulation alignment the side, the reaction speed of the operation of a quick correction ,save time and save the waste of raw materials.



8. 台湾高压气压可省胶，使用方便简单无需清洗，省清洁又省胶。  
Taiwan high pressure pressure can save glue, easy and simple to use without cleaning, saving cleaning and saving glue.



9. 空调式电器控制箱，为机器的高速运转提供强有力的保障，使控制箱内的电器元件保持恒温，大大提高了机器的使用寿命和电器元件的使用寿命，确保机器高速运转。  
Air conditioner type electric appliance control box, Strong guarantee for high speed operation of the machine, Keep the electrical components in the control box at a constant temperature, The service life of the machine and the service life of the electrical components are greatly improved, Ensure the machine running at high speed materials.





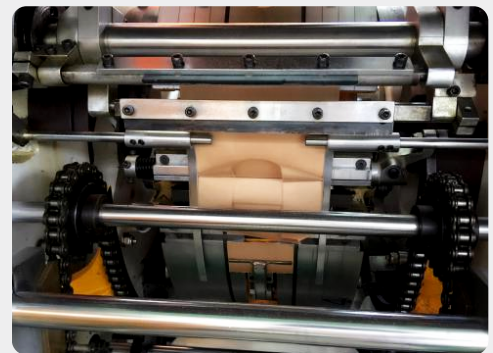
机器特点 Machine Features

1. 本机电脑界面可设定点标功能，有利于包装数量的统计，方便收集整理。

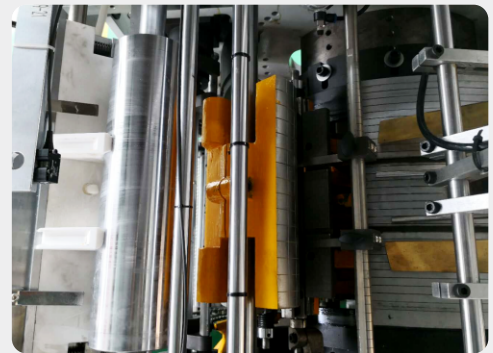
The computer interface of the machine can be set point mark function, which is advantage us for packing quantity and convenient for collecting and arranging.



2. 底部构成袋底的一部分。  
Bottom forming part of bag bottom.



3. 底胶结构，槽型上胶装置。  
Bottom glue structure, groove type glue up device.



4. 该机切断方式采用伺服电机控制纸袋尺寸，采用高速匀速旋转切刀，切割采用齿刀或平刀两种切割方式，使纸袋切口平整，使纸袋切口平整、美观。  
The machine cut off way adopts the servo motor to control the paper bag size, adopting high-speed uniform rotation cutter, cutting through the tooth knife or flat knife two cutting methods, the paper bag cutting level, making the paper bag cutting Flat, beautiful arranging.



5. 采用整体式筒体调节结构，双向调节或单向调节简单方便，调节快速、精确、稳定性高。

The whole type tube is used to adjust the structure, and the two-way adjustment or one-way adjustment is simple and convenient, and the fast and precise high stability of the adjusting is stable.



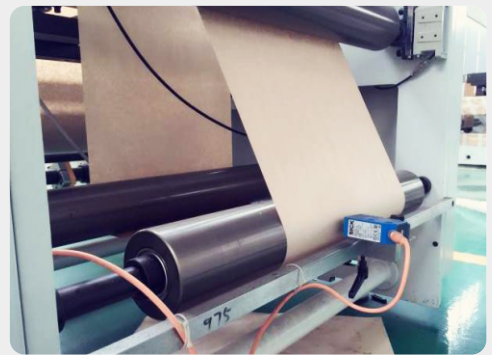
6. 可调节成型板，易于操作。

Adjustable forming plates for easy operation.



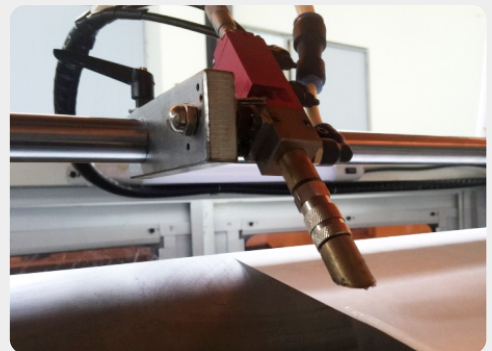
7. 采用德国（sick）彩色光电跟踪，精确跟踪纸张印刷图样，自动对位，更换纸卷时无需手动调整裁切位置。套色错误自动停机，降低废品率。

Using the German (sick) color photoelectric tracking, precise tracking of paper printing photo, automatic alignment, if change the paper roll, power does not need to adjust the cutting position. Automatic stop if color error ,reduce Scrap rate.



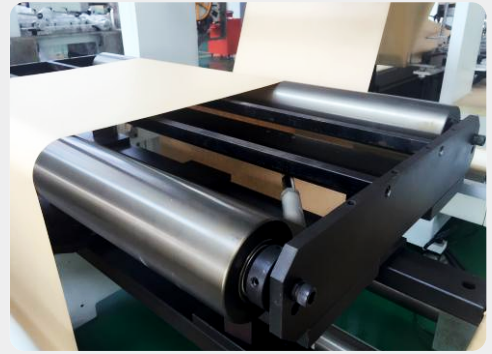
8. 自动喷胶，高速、低速喷胶不间断，容量调节方便，喷胶稳定。

The automatic spray glue, the glue spray will not be interrupt when high speed or low speed, convenient adjustment capacity, glue spray stable.



9. 采用超声波模拟对边，反应速度快，校正操作方便，节省时间，避免原材料的浪费。

The use of ultrasonic simulation alignment the side, the reaction speed of the operation of a quick correction, save time and save the waste of raw materials.



10. 采用液压缸自动上纸，手动开关纸，轻松完成纸卷，无需人工搬运。

Adopt hydraulic cylinder auto loader, paper manual switch easily finish the paper roll without manual handling.



## 部件说明 Component Description

1. 扭绳手柄机直列式。

Twisted rope handle machine inline.



2. 伺服电机对手柄进行涂胶。

Gluing for handle by servo motor.



3. 伺服电机对手柄位置进行预穿孔。  
Pre-perforation for handle position by servo motor.



4. 通过伺服电机将手柄粘贴在直线上。  
Paste the handle inline by servo motor.



5. 提手机采用热熔胶机，其优点是无论低速、中速、高速，均不间断，性能稳定。  
Handle making machine adopts hot melt gluing machine. Its advantage is no interruption no matter of low speed, middle speed or high speed, and its performance is quite steadily.

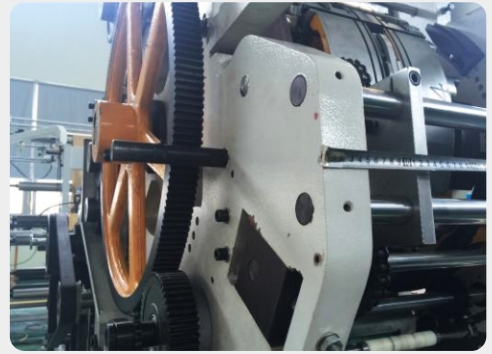


## 材料性能 Material Properties

1. 本机采用德国进口轴承，有力的保证了机器的长期使用，机械的使用寿命，确保了机器高速运转的稳定性。  
This machine adopts imported German bearings, a strong guarantee for the long-term use of the machine, mechanical service life, to ensure the stability of high-speed operation of the machine.



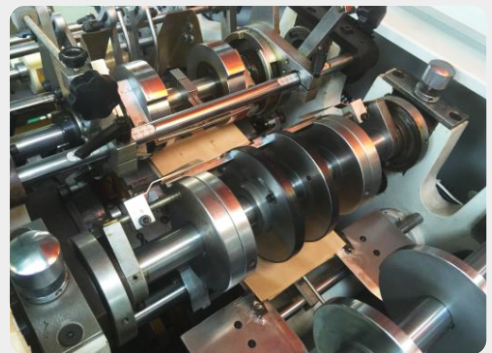
2. 整机铸造框架5CM墙板  
Whole machine casting frame 5CM wall plate



3. 高精度齿轮  
High precision gear



4. 纸袋成型部分  
Paper bag forming part



5. 整体式辊架纠偏位置  
Integral type roll rack deviation rectifying position



6. 自动收料部分  
Automatic material receiving part



设备占地规划 Machine Floor Plan

