

Corner Pasting Machine



炬欣机械
JUXIN MACHINERY

Pursuing Excellence And Striving For Progress

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1. About Corner pasting machine

Corner pasting machine is a device used in the manufacturing of paper boxes, mainly for positioning and forming the inner and outer boxes. It uses high-temperature adhesive tape to fix the corners of the paper box, saving consumables and ensuring that the angles of the product are square, stable, and beautiful. The corner pasting machine has fast speed and low price, and is an indispensable equipment in the paper box manufacturing process.

The working principle of the corner pasting machine

The corner pasting machine uses high-temperature tape to fix the corners of the paper box, ensuring its stability and aesthetics.

Its working principle mainly includes the following steps:

Positioning molding: The corner pasting machine ensures accurate alignment of every corner of the paper box through a precise positioning system.

Heating system: Using high-temperature tape, the tape is melted through the heating system to firmly bond the corners of the cardboard box.

Anti slip correction device: Ensure that the tape does not slip during the bonding process, ensuring the bonding effect.

Introduce

Wenzhou Juxin Machinery Co., Ltd. was established in 2011 and is a professional enterprise located in Rui'an City, Zhejiang Province, specializing in the production of gift box automation machinery equipment. Its main products include complete sets of heaven and earth cover equipment, cover machines, slotting machines, and complete sets of folder equipment. The product is widely used in the production and packaging of gift boxes, mooncake boxes, mobile phone boxes, shoe boxes, desk calendars, folders, hardcover books, etc.

The company is a technology-based mechanical equipment manufacturing enterprise that focuses on development, production, sales, and after-sales service. Based on technology, guided by customer requirements, and guaranteed by comprehensive after-sales service, "Juxin" people rely on continuous research on advanced technology to meet the needs of enterprises. By using it, the enterprise has achieved significant development.

Since the establishment of the enterprise, we have adhered to the belief of "customer first, strict quality control, emphasis on brand, pursuit of excellence, emphasis on reputation, and surpassing ourselves", continuously improved the internal and after-sales service mechanism of the enterprise, strengthened internal management, actively participated in market competition, continuously introduced and absorbed high-tech, and committed to the development and research of new products. We have produced a series of advanced equipment, and our products are sold well in more than 30 provinces, municipalities and autonomous regions at home and abroad

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It is highly favored and praised by domestic and foreign users in multiple countries and regions



Juxin Machinery has always been dedicated to the development and research of packaging machinery equipment, committed to providing professional and high-quality products and supporting services for domestic and foreign users. Juxin "will always adhere to the corporate philosophy of" quality casting Juxin brand ", make good products, strengthen the enterprise, and create a world-class" Juxin "brand.



Production workshop

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2. 设备介绍

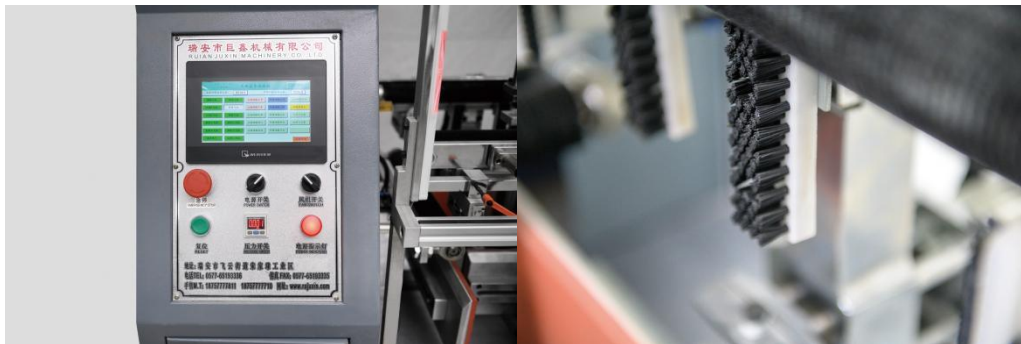
Product: 手动贴角机

Model: JX-40



1.1 Machine Features

- (1). Adopting clutch brake transmission..
- (2). Adopting an eccentric wheel mechanism for hot pressing.
- (3). The paper feeding adopts a cam mechanism.
- (4). The hot pressing time is controlled by a time relay.
- (5). The work is controlled by a foot switch.



1.2 Product Details

Cost saving: The manual corner sticking machine uses high-temperature tape for corner sticking, which is relatively inexpensive and can effectively save consumable costs.

Stable and beautiful corner pasting effect: The products pasted by manual corner pasting machine have square, stable and beautiful angles, which can meet the needs of high-quality packaging.

Easy to operate: The device design is reasonable and easy to operate, especially the foot pedal fitting switch controller makes the operation more convenient.

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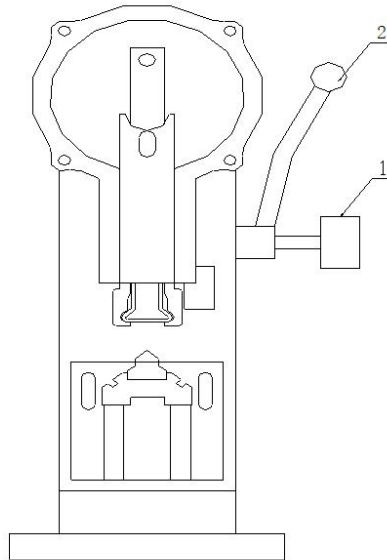
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Wide applicability: The manual corner sticking machine is suitable for various types of boxes and can meet different packaging needs.

Low cost: Compared to other types of corner sticking machines, manual corner sticking machines are relatively inexpensive and suitable for use by small and medium-sized enterprises.



1.4 Debugging process

1. Uniformly adjust the feeding tape screw for tape feeding

Adjust with 2.1

Position the hot pressing length of mold 2, position the limit plate 1 at the bottom of the packaging box, and then tighten screw 3.

2. Pressure adjustment screw for hot pressing

3. Paper tape length adjustment; Adjust eccentric wheel 1 and tighten nut 2

型号	JX-40
Max finished product size	
Min finished product size	40*40*15mm
Speed	5-15 pcs/min
Poewr	0.5kw/220V
Dimensions	800*450*1500mm
Wooden crate size	940*500*1650mm
Weight	150kg
CBM	

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Product: Automatic High-speed Corner Pasting Machine
Model: JX-TJ450



2.1 Main accessories

- Servo motor: XINJE (China)
- Motion Control PLC: XINJE (China)
- 7-inch touch screen: WEINVIEW (Taiwan)
- Cylinder components: Air TAC (Taiwan)
- Guide rail: Air TAC (Taiwan)
- Screw rod: Egus (Germany)
- Travel limit switch: Schneider (France)
- Button switch: Schneider (France)
- Plastic bearings: Egus (Germany)
- Bearing: Harbin (China)

2.2 Machine Features

In the fast-paced modern production, packaging efficiency and quality are important aspects of enterprise competition. To meet the market's demand for efficient and precise packaging equipment, fully automatic corner sticking machines have emerged. This device, with its advanced PLC programming technology, intuitive touch screen human-machine interface, and powerful functional features, has become an ideal choice for packaging various types of sky and earth cover boxes such as mobile phone boxes, shoe boxes, mooncake boxes, jewelry boxes, shirt boxes, etc.

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1、 Technical highlights

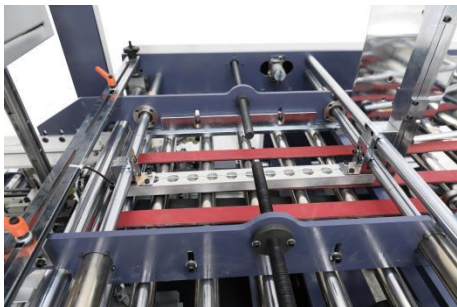
PLC programming technology: JX-TJ450 adopts advanced PLC (Programmable Logic Controller) programming technology to achieve intelligent control of equipment. Through precise programming, the device can automatically complete the entire process of applying adhesive tape to the corners according to preset parameters, ensuring that every operation is accurate and error free.

Touch screen human-machine interface: The device is equipped with an intuitive touch screen human-machine interface, allowing operators to easily set parameters, monitor status, and troubleshoot through the screen. This design not only simplifies the operation process, but also improves the usability and maintainability of the equipment.

Parameter debugging and fault display: JX-TJ450 supports parameter debugging, and operators can adjust various parameters of the equipment according to actual needs to achieve the best packaging effect. At the same time, the device also has a fault display function. Once a fault occurs, the screen will immediately display an error message to help the operator quickly locate and solve the problem.

2、 Functional characteristics

Complete the four corner adhesive tape at once: JX-TJ450 can automatically attach the tape to the four corners of the box without manual intervention, greatly improving packaging efficiency.



Automatic feeding and discharging: The equipment is equipped with an automatic feeding and discharging system, which achieves full automation from raw material input to finished product output, further saving labor costs.



Easy to operate and fast: The operation interface of JX-TJ450 is concise and clear, and operators only need to undergo simple training to get started. At the same time, the device runs very fast and can

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complete a large number of box packaging tasks in a short period of time.

Good quality: Thanks to advanced automation technology and precise debugging parameters, JX-TJ450 can ensure that every packaging meets high-quality standards. Whether it's packaging needs for high-end products such as phone boxes, shoe boxes, or jewelry boxes, they can all be perfectly met.

Model	JX-TJ450
Max paper size	650*550mm
Min paper size	90*90mm
Max size	450*350*120mm
Min size	50*50*15mm
Speed	20-50 pcs/min
Pressure	≥0.6Mpa
Power	3kw/220V (3kw/380V)
Dimensions	2300*1200*2100mm
Wooden crate size	2480*1380*2250mm
Weight	1100kg
CBM	8

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Product: Fully Automatic High-speed Corner Pasting Machine(Feeder)
Model: JX-450TS



3.1 Main accessories

- Servo motor: XINJE (China)
- Motion Control PLC: XINJE (China)
- 7-inch touch screen: WEINVIEW (Taiwan)
- Cylinder components: Air TAC (Taiwan)
- Guide rail: Air TAC (Taiwan)
- Screw rod: Egus (Germany)
- Travel limit switch: Schneider (France)
- Button switch: Schneider (France)
- Plastic bearings: Egus (Germany)
- Bearing: Harbin (China)

3.2 Machine Features

The fully automatic corner sticking machine adopts a PLC servo system and precision photosensitive eye control. The conveyor belt is stable and does not shake, and it can accurately complete the set instructions to achieve the designated position of the corner edge labeling.

High degree of automation: The equipment design is reasonable, with a high degree of automation, effectively reducing human involvement and avoiding label errors caused by human uncertainty. The device is equipped with a built-in corner missing sticker alarm function. Once a missing sticker is detected, it will immediately stop working and issue an alarm, avoiding the production of defective

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products and saving manpower and financial resources.

Wide applicability: The fully automatic corner sticking machine is suitable for various industries and products, such as rectangular medicine boxes in the pharmaceutical industry, data cable boxes in the electronics industry, charging head boxes, headphone boxes, etc. The labeling range of the equipment is wide, suitable for labeling the corners of small boxes of different specifications.

Easy debugging operation: The debugging operation is simple, and the whole machine debugging time is short, usually only 10-20 minutes are needed to complete the debugging. In addition, the equipment uses a paper drawing belt feeding structure, which ensures smooth feeding without blocking the tape, greatly improving production efficiency.

Multifunctionality: The fully automatic corner sticking machine is not only suitable for various industries and products, but also has functions such as secondary corner sticking and oblique edge corner sticking. The equipment uses various types of tape, such as transparent tape, PET tape, white tape, kraft paper tape, etc., to meet different production needs.

Model	JX-450TS
Max paper size	680*620mm
Min paper size	90*90mm
Max case size	440*380*120mm
Max case size	60*60*15mm
The deepest height of the case	140mm
Speed	20-50 pcs/min
Pressure	≥0.6Mpa
Power	3kw/220V
Dimensions	2040*1260*1890mm
Wooden crate size	2140*1360*1990mm
Weight	1500kg
CBM	

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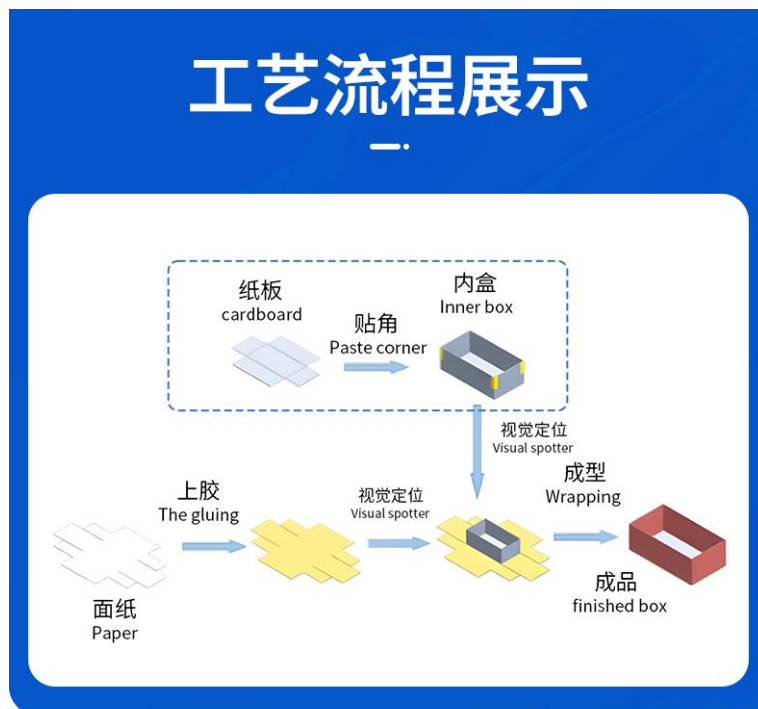
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3.Product Display



4.Matching tape

PET



Temperature resistance: PET tape can maintain good adhesion in extreme high and low temperature environments. In general, PET tape can be used normally within the temperature range of -40 °C to 120 °C, with long-term temperature resistance up to 100-120 °C and short-term temperature resistance up to 140-200 °C.

Weather resistance: PET tape has excellent weather resistance and can resist environmental factors such as ultraviolet radiation, humidity, and climate change for a long time. It is not easy to age, turn yellow, or become brittle.

High viscosity: PET tape has excellent adhesion properties, good adhesion on various surfaces, and can maintain viscosity for a long time without easy detachment. Acrylic glue is usually used as an

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adhesive, which has the characteristics of high viscosity and high adhesiveness.

High tensile strength: PET tape has high tensile strength and tear resistance, and can maintain good stability in high stress environments. In addition, PET tape also has high tensile resistance and is not easily broken.

Ultra transparency: PET tape has extremely high transparency, which can clearly display the appearance of the packaged material. This feature makes PET tape widely used in industries such as beauty and food, meeting the needs of product display and improving aesthetics.

Chemical resistance: PET tape can resist the erosion of chemicals such as acids, alkalis, and solvents, and is suitable for use in environments with the presence of special chemicals.

Environmental friendliness: PET tape is made of polyester film, non-toxic and harmless, and will not cause pollution to the environment.

Yellow kraft paper



High viscosity and strong fixation: The adhesive strength of yellow cowhide tape is very good, which can firmly fix and seal the boxes and bags that wrap items, ensuring that items will not fall or be damaged.

Durability and Waterproof Performance: Yellow cowhide tape has good durability and waterproof performance, which can maintain stable performance in humid environments and is not easily damaged after long-term use.

Environmental friendliness: The main materials of yellow cowhide tape are natural cowhide paper and environmentally friendly adhesive, which can quickly degrade in natural environments without causing pollution to the environment. It is suitable for occasions that pursue green packaging.

Aesthetics: The natural brown appearance and paper texture of yellow cowhide tape are commonly used for gift packaging and handicraft decoration, increasing the visual appeal and handmade texture of the product.

High strength and tensile strength: Yellow cowhide tape has high tensile strength and burst resistance, making it suitable for packaging that requires strong fixing force.

Breathability: Kraft paper material allows for a certain degree of air circulation and is suitable for packaging items that require a certain degree of breathability.

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White Kraft Paper

High strength and toughness: White cowhide tape has high strength and toughness, can withstand large tensile and compressive forces, and is suitable for packaging and fixing various heavy objects.

Waterproof and oil resistant: The surface of the white cowhide tape has been specially treated to have waterproof and oil resistant functions, which can effectively prevent various stains from causing damage to it.

Environmentally friendly and non-toxic: The raw materials used for white cowhide tape are mainly plant fibers, and no harmful substances need to be added during the production process, making it very environmentally friendly.

Stable weather resistance: White cowhide tape has good weather resistance and can maintain its viscosity and stability in various environments, suitable for different climatic conditions.

Strong self adhesiveness and retention: Self adhesive kraft paper tape has strong adhesiveness and good retention, is not easy to curl, and can firmly adhere to various surfaces.

5. Product Display

This device is widely used in gift packaging, food packaging, pharmaceutical packaging and other fields, and is suitable for the production of gift boxes and hard boxes of various shapes and sizes. In summary, this automated production equipment for gift boxes and hard boxes has become an ideal choice for the modern packaging industry due to its high efficiency, cost savings, and improved quality. We believe that in future development, it will provide better services and more efficient production experiences for more customers.



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The future development of the company will be a process full of challenges and opportunities, requiring continuous innovation and optimization of management to adapt to market changes and meet customer needs.

Market outlook

In the future, market competition will become more intense and industry development will become more diversified. With the advancement of technology and the trend of globalization, the demand for products and services in the market will become more personalized and differentiated. The company needs to have a keen insight into market trends, seize market opportunities, continuously innovate products and services, and enhance market competitiveness.

Employee Outlook

Employees are the most valuable resource of a company, and in the future, the company needs to pay more attention to their development and growth. The company will focus on employee training and skill enhancement, improving their professional quality and comprehensive abilities to adapt to future market demands and the development of the company's business. At the same time, the company also needs to better motivate employees, maintain their enthusiasm and creativity, and enable them to grow together with the company.

Technology Outlook

The future prospects of work will rely more on technological innovation. With the rapid development of information technology, companies need to introduce advanced technological means to improve production efficiency and product quality. The company also needs to focus on technology research and development, promote technological innovation, and continuously launch more competitive products and solutions.

Management Outlook

The company needs to standardize and optimize its management system, introduce modern management concepts and scientific management systems. At the same time, drawing on international management experience, improving management level and efficiency.

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Outlook on Social Responsibility

With the development of society, companies will take on more social responsibilities, pay attention to environmental protection, public welfare undertakings, and continuously enhance the company's social image and influence.

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