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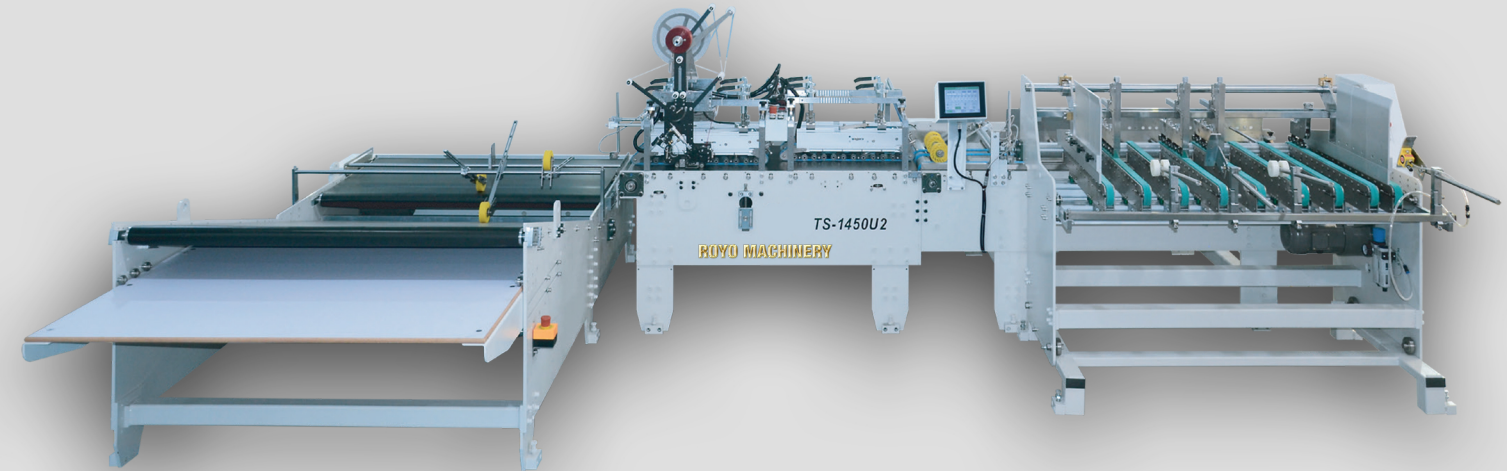
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ROYO MACHINERY

Hot and Cold Glue Applicators



Size: 1932×666×1800mm



Size: 1280×480×600mm

Speedy & precision gluing

High precision components are equipped with high frequency solenoid valve to ensure nondestructive gluing when working at high speed.

Flexible control

8 "or 15" screen touch screen, each gun can applicated 8 sections of glue samples, and support point and line exchange. One-key switch to different types of product which in to control interface.

Expand application

Various types of guns, application of different situations and glue projects, can be customization.



Model	HZ4
Input voltage	220VAC (±20%)50~60HZ
Power	480W
Glue sample precision	±1mm
Glue sample program	500个
Gun of glue sample segments	Up to 8 segments
Glue sample	4 types
The number of guns	Optional, 4/8
The number of electric eye	Optional, 4/8
Weight	5 Kg



Model	HZ8
Input voltage	220VAC (±20%)50~60HZ
Power	680W
Glue sample precision	±1mm
Glue sample program	500个
Gun of glue sample segments	Up to 8 segments
Glue sample	4 types
The number of guns	Optional, up to 8
The number of electric eye	Optional, up to 8
Weight	3 Kg



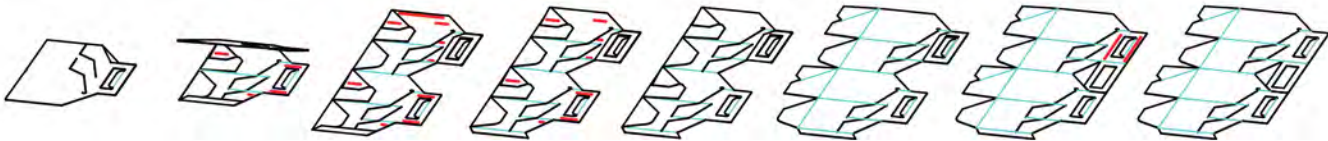
Model	HB6
Maximum viscosity	3000 mPas
Two-way transport efficiency	80 cm
Pressure ratio	6:1
Gas source input	6 bar
Weight	12.5 Kg
Size	485×225×150



Model	HB9
Maximum viscosity	5000 mPas
Two-way transport efficiency	260 cm
Pressure ratio	9:1
Gas source input	6-8 bar
Weight	20 Kg
Size	554×301×140

Inside box style schematic diagram instructions

Cold gluing system applys in food and beverage boxes, red line is gluing flap position.



Cold gluing system

Application of hot melt adhesive

Splitting switch speed with no abrasion controller, even if the smallest dot can be realized.

Application of cold glue

Super fast and no abrasion electro-magnetic non-contact cold glue spray gun, completes precise cold glue dot and line spray gluing.

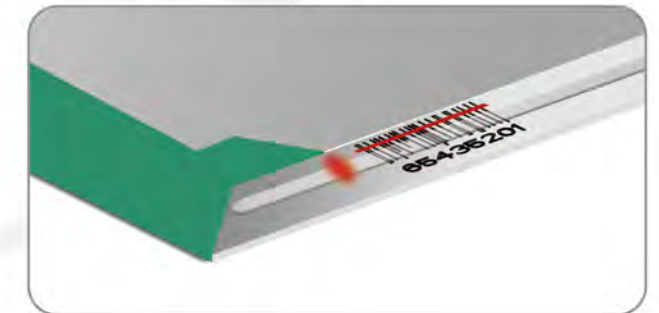
Code reader detect

Unique and first-class sensor technology, distinguish and compare color code, drug administration code, EAN code and two-dimensional code, so as to provide the most reliable quality.



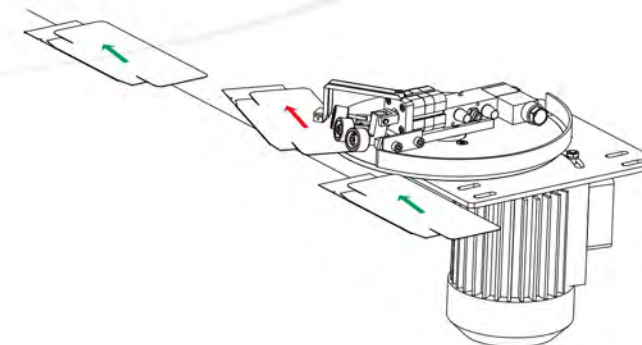
Application of glue detection

Actuated glue control and monitor mode, to control and monitor the adhesive positioning.



Application of pump

Pumps and hotmelt devices also exchange messages and commands with the controller.



Detect and kick of defective products

Automatic follow defective products, reliable linear or rotary kicker.

Range of gun



High pressure electronic gun

Model	PJ-4000
Application	Liner gluing
Shape of glue	Dot/line
Maximum pressure	32bar
Frequency	500



Spraying gun

Model	PJ-4200
Application	Liner gluing
Shape of glue	Mist flow
Maximum pressure	32bar
Frequency	500



Multi-holes gun

Model	PJ-4100
Application	Liner gluing
Shape of glue	Dot/line
Maximum pressure	32bar
Frequency	500



Multiple gun

Model	PQ20-10
Application	Liner gluing
Shape of glue	Dot/line
Maximum pressure	32bar
Frequency	500



Medium pressure gun

Model	PJ-3500
Application	Liner gluing
Shape of glue	Dot/line
Maximum pressure	30bar
Frequency	300



Pneumatic gun

Model	QD20
Application	Liner gluing
Shape of glue	Line
Maximum pressure	15bar
Frequency	65

Cold gluing system



Model	HG4
Input voltage	220VAC (±20%)50~60HZ
Power	480W
Glue sample precision	±1mm
Glue sample program	500个
Glue spraying method	Start and end point settings
Glue sample	4 types
The number of guns	3
The number of electric eye	1
Weight	4 Kg

Cold gluing system

Model	HB6
Maximum viscosity	3000 mPas
Two-way transport efficiency	80 cm
Pressure ratio	6:1
Gas source input	6 bar
Weight	12.5 Kg
Size	485×225×150



Cost control

Precision in millimeter at any speed,spraying cold glue adhesive on the gluing flap folding box/carton, decrease the cleaning and installation time during the productionprocess, so to reduce wastage.

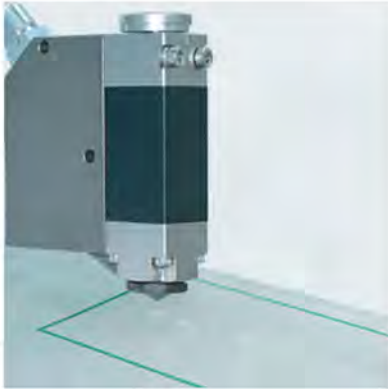
Simple and convenient to operate

Modular system design, shift of cold & hot melt glue, and the control of other unctions, all can be realized through one-key switch on the touch screen easily.

Glue-type gluing



At present, the printing folder gluer machine is slow in design speed. Most of them adopt to rubber oller. With spraying gluer method, the speed is within 150 sheets/min. It is inconvenient to adjustand easy to be affected by factors such as viscosity of glue, glue overflow, insufficient glue, etc.Glue-type gluing is a more advanced gluing method. It adopts glue-type gluing, to prevent overflow, and the glue quantity is convenient to adjust (adjusted by air pressure) to ensure accurate gluing.



Provide customers with high-speed, accurate small-point spraying applications, easily added to mechanical equipment, with a long service life. Real-time point adjustments can be easily made to minimize the time to set up the application.

Model	DHP-301
Temperature range	20-200°C; 30-392°F
Switching frequency	250cycle/sec; 15000cycle/min
Air connection	4-6bar, 58-87PSI
Adhesive pressure	80bar, 1160PSI
Maximum adhesive viscosity	6000mPa.s



Graphical temperature control panel



- Convenience Operation, Flexible control.

Setting the auto-preheating time within a week.

Adjust temperature according to glue characteristics.

Gun\pump independent control modular of temperature.
- Device insulation function.

Over-temperature protection.

Display commonly temperature unit.

Fault shutdown feature automatically.

Weight	46kg (101lb)
Capacity	7L
Glue tank	14:1 Piston pump
Melt speed	18.1kg (40lb)/h
Amount of glue	13.7kg (30lb)
Temperature adjustment range	38-230°C (100-450°F)

Size	385(W)*600(H)*853(L)mm
Maximum pump speed	32.7kg (72lb)/h
Maximum working pressure	8.7MPa(1260psi)
2hoses/guns maximum system power	3150W
4hoses/guns maximum system power	4400W
Input standard voltage	200-240VAC 50/60HZ



The gun is suited for a precise dot and bead-line application at high speed with small installation dimensions, can be flexibly used for different applications in diverse industries, widely applicable to the packaging and graphical industry.

Model	QHP-201
Temperature range	20-200°C
Adhesive pressure	Max 90 bar
Adhesive	EVA/PSA/TPR
Adhesive viscosity	500-5000mPa.s
Switching frequency	120Hz
Jetting element width	3 mm
Air connection	6 bar
Supply voltage	220VAC(EN60204),50/60Hz
Supply voltage, solenoid valve	24VDC/12W
Degree of protection	IP42(IP55 as option)



High efficiency sensor technology, distinguish and compare drug administration code, EAN code, two-dimensional code and so on so as to make a judgment, alarm, shutdown and eliminate.



High-quality touch screen

Distinguish and compare different kinds of bar code, production speed, output, the amount of defective products. Display and record the last ten incorrect product information for traceability. For faulty product alarms, for continuous error product alarms and shutdown.



Code recognition detection

Automatically identify unconnected sensors without cumbersome setup. Equipped with 8-inch high-quality touch screen, Chinese display, easy to operate and flexible.



Application field

MicroPDF code, PDF417 code, RSS code, 39 code, Codabar code, 128 code, Cross 2/5 code, 93 code, UPC/EAN code, drug code.



Flexible functional expansion

With modular expansion function, by adding independent application procedure, makes you gain expansion functions such as code reader, label, glue detection and kicker of defective products according to actual production orders requirement, so as to meet personalized demand.

Quality insurance

Excellent KQ is glue spray and detection modular system, all functional module control and video monitor function can be realized in complete visual operation by central touch screen, ensure flexibility and visualization, providing maximum reliability and quality for high efficiency processing equipment and production.

Model	KQ-DMI
Working speed	1000 Time/s
Minimum resolution	0.125mm
Detection distance	65-500mm
Scanning angle	0-70°
Code type	Standard
Line bar code	All labels

Prevent adhesive & bonding break

Improve surface tension, prevent adhesive & bonding break, it used to lamination\UV Coating etc. By using cold glue or common adhesives, it can reduce glue consumption and cost.

Flexible installation

Equiped with folder gluer machine/ ink jet printer /assembly machine and making boxes machine, in processing online.

Safe protections

Multiple protection switch, fault alarm, has obtained the CE certification standard.

Product application

For folding cartons which are metalized, with UV coating, or with lamination, apply plasma surface treatment system with standard cold glue instead of expensive special glue, we can achieve perfect gluing quality and also reduce production cost.



Direct injection nozzle

Handling width is 6-10mm, it used to lamination/UV coating etc, prevent adhesive & bonding break.

KQ-MP10A



Rotary nozzle

Handling width is 40-54mm, it is mainly used for inkjet printing/ glass/3D Printing/wood processing/furniture, improving the surface adhesion of products.

KQ-MP10B



Model	KQ-MP10A/B	KQ-HP10A/B	KQ-HP20A/B	KQ-HP30A/B
Glue Head Quantity	1	1	2	3
Handling Width	6-10mm / 40-54mm	6-10mm / 40-54mm	6-10mm×2 / 40-54mm×2	6-10mm×3 / 40-54mm×3
Input Power	AC220V	AC220V(±20%)	AC220V(±20%)	AC220V(±20%)
Input Air	0.1-0.2Mba	0.1-0.2Mba	0.3-0.4Mba	0.4-0.6Mba
Weight	800VA	800VA	800VA×2	800VA×3
Overall Dimension	20KG	50KG / 55KG	55KG / 60KG	60KG / 65KG
	230(W)*580(D)*380(H)	600(W)*400(D)*1000(H)	600(W)*400(D)*1000(H)	600(W)*400(D)*1000(H)

Application Range	
KQ-MP10A/B	Linear carton
KQ-HP10A/B	Linear carton
KQ-HP20A/B	Linear carton, double-wallcarton, large-size gluingflap
KQ-HP30A/B	Linear carton, double-wallcarton, large-size gluingflap, automatic lock bottomcarton



Double sided tape/scotch tape/silicone tape applicator

Double-sided tape size	5-35/10-60/20-80mm
Film size diameter	90-400mm
Film inner diameter	3
Adhesive length	30-9000mm
Speed	5-100m/min
Minimum spacing between two segments	30mm
Processing precision	Front and rear ± 2 mm
Rated operating power	12.7W
Weight	7.5KG

Tear tape applicator

Tear tape size	3-15mm
Film size diameter	35-160mm
Film inner diameter	30mm
Adhesive length	50-9000mm
Speed	5-100m/min
Minimum spacing between two segments	30mm
Processing precision	Front and rear ± 2 mm
Rated operating power	12.7W
Weight	7.5KG

Tape application upwinder device

Regarding to double side tapel tear easy tape feed & change materials, in processing, save productive time and save labor cost.

Model	DJFL6-V1
Max speed of conveyor	120m/min
Tape wheel of inner diameter	6in
Tape wheel of MAX outer diameter	400mm
Tape wheel of MAX thickness	170mm
Device of size	870mm*818mm*370mm
Drive unit of size	355mm*262mm*177mm
Power frequency	50/60Hz
Power voltage	AC220V
Max power of supplier	400w

Inner edage tape applicator

Installed on the stitching machine, pasting tape on the inner of courraged boxes, avoid scratching and rusting by nail points.

Tear tape size	10-35mm
Film size diameter	90-220mm
Film inner diameter	3
Adhesive length	30-9000mm
Speed	5-60m/min
Minimum spacing between two segments	30mm
Processing precision	Front and rear ± 5 mm
Rated operating power	12.7W
Weight	30KG



Features

Designed as a light machine, mainly pasting for carton boxes ,envelopes, ecommerce bags etc with double-sided tape and easy tape.



Model	TS-800B2	Floor area	3100mm*1470mm
Stickers quantity	1-4	Power frequency	50/60Hz
Max width of tape	5-35,10-60,20-80mm	Power voltage	AC220V
Max width of box	800mm	Feeding motor power	0.75kw
Max speed of conveyor	80m/min	Main motor power	1.5kw
Weight	650kg	Controller power	0.4kw
Tolerance	±2mm	Machine total power	2.65kw



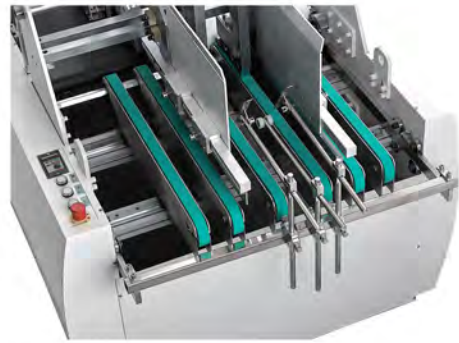
Model	TS-1100B2	Floor area	3100mm*1770mm
Stickers quantity	1-4	Power frequency	50/60Hz
Max width of tape	5-35,10-60,20-80mm	Power voltage	AC220V
Max width of box	1100mm	Feeding motor power	0.75kw
Max speed of conveyor	80m/min	Main motor power	1.5kw
Tolerance	±2mm	Machine total power	2.65kw



Model	TS-1450B2	Floor area	3200mm*2120mm
Stickers quantity	1-4	Power frequency	50/60Hz
Max width of tape	5-35,10-60,20-80mm	Power voltage	AC220V
Max width of box	1450mm	Feeding motor power	0.75kw
Max speed of conveyor	80m/min	Main motor power	1.5kw
Tolerance	±2mm	Machine total power	2.65kw

Double sided tape application machine

B Series tape application machine



Stable & speedy

Adopt high level of raw materials and thickened wallboard design, famous brands of beltmotor and other key components. Ensure that the machine can be stable for along time under high speed running.

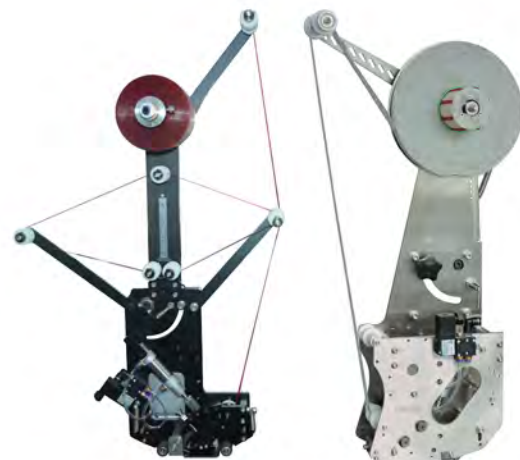
Application field

Applicable for boxes, delivery bags, corrugated boxes, and smokelwine boxes, gift boxes, artware adhesive.



Simplicity of operator

Based on SCM technology, develop all of drive units, intelligent control, one-key start can be productive.



Variety of device matching

Equipped with slot coating guns & silicone tape applicator, scotch applicator, double sided tape applicator, tear tape applicator, folded device etc, to be customized for clients.

C Series tape application machine



Features

Equiped with alignent unit, improve the product accuracy in processing, and expand to install hot melt gun and release tape applicator, and make sure customers' demands to customized.



Model	TS-800C2	Floor area	4200mm*1455mm
Stickers quantity	1-4	Power frequency	50/60Hz
Max width of tape	5-35,10-60,20-80mm	Power voltage	AC220V/AC380V
Max width of box	800mm	Feeding motor power	0.75kw
Max speed of conveyor	100m/min	Main motor power	1.5kw
Weight	720kg	Controller power	0.4kw
Tolerance	±2mm	Machine total power	2.65kw

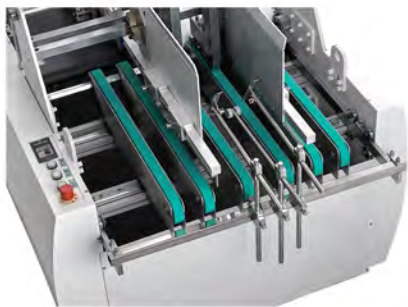


Model	TS-1100C2	Floor area	4200mm*1755mm
Stickers quantity	1-4	Power frequency	50/60Hz
Max width of tape	5-35,10-60,20-80mm	Power voltage	AC220V/AC380V
Max width of box	1100mm	Feeding motor power	0.75kw
Max speed of conveyor	100m/min	Main motor power	1.5kw
Tolerance	±2mm	Machine total power	2.65kw

C-type optional to controller with 15in touch screen, operation simplifies.



C Series tape application machine



Stable & speedy

Adopt high level of raw materials and thickened wallboard design, famous brands of beltimotor and other key components. Ensure that the machine can be stable for along time under high speed running.



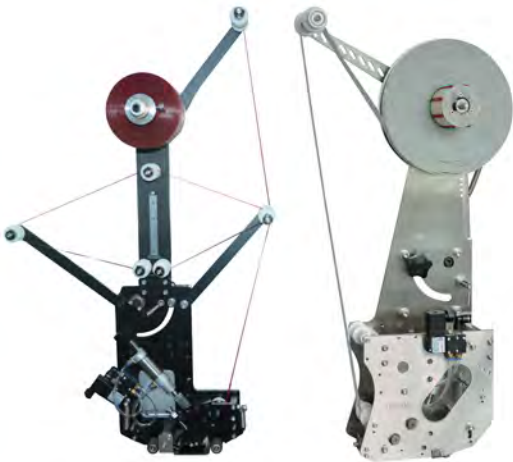
Alignment

Independent part could guide the paper box to a parallel handrail that allows a perfect blank alignment, correct the deviation, facilitate the subsequent accurate folding of the paper cassette, perfect folding quality throughout the machine.



Simplicity of operator

Based on SCM technology, develop all of drive units, intelligent control, one-key start can be productive.



Variety of device matching

Equipped with slot coating guns & silicone tape applicator, scotch applicator, double sided tape applicator, tear tape applicator, folded device etc, to be customized for clients.

Application field

Applicable for boxes, delivery bags, corrugated boxes, and smokelwine boxes, gift boxes,artware adhesive.



U Series tape application machine



Features

Equiped with aligment unit ,improve the product accuracy in processing, and expand to install hot melt gun and release tape applicator, and make sure customers' demands to customized.



Model	TS-1450U2	Floor area	5600mm*3900mm
Stickers quantity	1-4	Power frequency	50/60Hz
Max width of tape	5-35,10-60,20-80mm	Power voltage	AC380V
Max size of box ¹	1450*1100mm	Feeding motor power	1.5kw
Max speed of conveyor	120m/min	Alignment motor power	0.75kw
Weight	1045kg	Applicator motor power	2.2kw
Accuracy	±2mm	Paper delivery motor power	0.4kw+0.75kw
Bigger size can be customized with according to clients's requests		Machine total power	5.8kw



Paper feed section

It adopts advanced friction feeding method to feed paper,with 6 high-quality thickened belts plus high-efficiency paper-cutting knife to ensure accurate and smooth product transportation. It is easy to adjust the feeding parts, simple,greatly reducing the school and change the time.



Correction department

By the composition of the roller with the correction mechanism, the operation is simple and convenient, more accurate correction.



Sided adhesive tape

Innovative double-sided adhesive technology, can adapt to most of the models of double-sided adhesive, cut off the use of the model, will not cause damage to the product itself, double-sided adhesive incision for the tooth mouth, according to the actual situation, With double-sided adhesive device.



Control system

The use of international common man-machine dialogue mode, a variety of settings at the interface at a glance, the production process can be adjusted according to the actual situation at any time to change, more data retention mode, reducing the follow-up production of the machine set up time.



Paper delivery

According to their own situation, the flexibility to choose to receive paper. Stacking box mode or continuous operation plot box mode, equipped with high-precision counting electric eye to implement electronic counting mode, to facilitate the production count and packaging.

Application field

Applicable for boxes, delivery bags, corrugated boxes, and smokelwine boxes, gift boxes, artware adhesive.

