

Focus on Auto Gluing / Stitcher

For Valuable Corrugated Boxes



SP-GZD Series Auto
Folder Gluer Stitcher





Features:

- Including: Feeding section, Creasing section, Folding section, Pressing/Flapping Section, Correction section, Stitching section, Counter Ejection section totally 7 parts. Each section with separate motor and operation panel, which guarantee the easily and fast operation.
- All components of machine are finishing, working steadily, reliable precision.
- Feeding part adopts high pressure suction system. Accurately Feeding.
- Whole machine is controlled by PLC, control the counter ejection quantity and time.
- Whole machine with safety protection device, automatically alarm when any wrong operation.

15 Years' History and Experience



SP-GZD Series Auto
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Feeding section:

1. Composed of 7 pcs 100mm width feeding belts to guarantee the transportation smoothly.
Feeding belt can be moved, can suit different size cardboard.
2. Four front baffles are assembled can adjust the different thickness cardboard.
3. The baffles are setting at the both right and left side of the feeding section with correcting function, can automatically adjust the different width cardboards.
4. A pcs of supporting roller and back side positioning instrument are setting at the backstop.
5. Adjust the inverter adjustment, so operation is simple and quick, feeding more smooth.

More questions, please contact with us.





Features and Comparison

Our brand (ESTARPACK)	Other brands
Left and right side baffles are motor controlled to adjust.	Left and right side baffles are manual adjusting.
Adopted the HTB multiple segmentation High Pressure suction blower from Taiwan. Feeding stably with high efficiency.	Using the ordinary suction blower
The feeding belts tightness degree can be adjusted individually to avoid the feeding crookedly caused by loosen.	Feeding belt tightness degree can not be adjusted individually
Can promise the cardboard feeding smoothly	Cardboard maybe moving, not stable.

Creasing Section

Our brand (ESTARPACK)	Other brands
Convenient to change, can disassemble individually, good for maintenance and changing the creasing wheels, save the time.	Changing the creasing wheels is inconvenient, have to disassemble all bearings and shafts
The creasing wheels are fixed at the wall frame, the precision is ensured by the high load bearings, the rotating precision can controlled within $\pm 0.1\text{mm}$, The supporting guide rod for the wall frame the compressive strength can reach more than 250Tons, therefore the creasing can be very stable and smooth, and achieve the creasing effect.	Creasing precision can not be ensured, as is depending on the shafts which are slender and thin, it will jump when the cardboard transferred, can not ensure the creasing wheels rotating precision. It doesn't achieve the expect effect, but damage the board to be cracking.
The creasing wheels left and right side positioning is controlled by the precise lead screws, it's positioning perfect at the high speed running, can achieve the forming precision requirement.	The left and right side creasing precision is controlled by the shifting fork when move for the positioning, as there has the gap between block and creasing wheels, it will swing left and right when working, easy to cause the creasing errors.

Features and Comparison

Folding Section

1. The cardboard left/right second and fourth 180 degree folding and achieve forming box mainly through 2 pcs 100mm width bottom belt, 2 pcs 80mm width bending belt and 2 pcs of enfold guide tube.
2. Several different angular guide wheels are setting at the left/right sides, it can make the boards enfolding smoothly via adjusting the guide wheels position and angular according to the different paper or cardboard thickness.
3. Several supporting bearings are fixed under the bottom belt to support and guide the belt running stably.
4. Both side of bottom belt assembled with the positioning rail to make sure the belt would not fall/drop at the high speed running.
5. The upper belts assembled with the auto raising device cylinder controlled to ensure the faults removed conveniently and fast.
6. The independent vacuum absorption fans are setting at the bottom left and right side belt, suction is stable that can make sure the carton boxes forming smoothly and avoid the jam problem due to the different clearance.

Our brand (ESTARPACK)	Other brands
The cardboard is vacuum absorbed to the bottom belt when is transferred to folding section, it's ensured to feed smoothly when at the high speed running. High precision box forming, no need to adjust the gap between folding knife and bottom belt. Easy to operate.	As different cardboard with different gap, the adjusting would be difficult. When the gap and cardboard thickness is not in consistent, the feeding way is under the un-control status, is natural oscillation, which easy to cause the jam fault when at the high speed running, therefore the productivity is decreasing but the waste cardboard is rising.

Pressing/Flapping Section

1. Conveying the stacking boxes to the Fully Pressing section with the scale overlapping, the speed can be adjusted according to the main machine speed.
2. To adjust the upper and bottom conveying belt gap/pressure according to the forming boxes type or cardboard performance, can ensure the boxes neatly feeding to the conveying section and gluing perfect.
3. The Flapping/Correction the box device is done via the cam mechanism front and back movement set at the back side, to make sure the gluing precision.
4. The machine main control cabinet is assembled at the Pressing/Flapping section which is good and convenient for observing and operating.
5. The Stepless variator assembled at the pressing/flapping section for speed up the upper belt when the fishing tail problem happened to reduce its error.

Features and Comparison

Correction Section

1. Upper belt can be forward and backward adjusted according to the carton box size, to ensure the belt not be pressed when flapping, and can flap smoothly.
2. The servo motor used on the flapping section, quick speed and high precision.
3. Left/Right side metal guide wheels with chrome plating is long service time.
4. The robot arm adopted for the positioning after the flapping and correction, no fishing tail error.
5. The gap adjusted individually by the hand wheel, quick and convenient.
6. Machine debugging is adjusted by motor, quick and convenient.



Stitching Section:

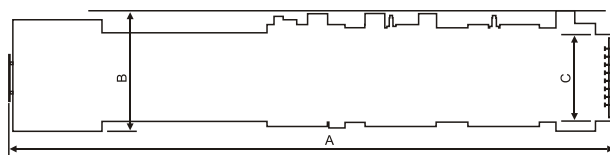
1. 1200 stitches can be stitching per minutes.
2. Swing-type stitching head adopted to protect the hole to be enlarged at the high speed stitching.
3. The swing distance can be adjusted according to the setting stitching distance swing block.
4. Angle butt Stitching head cutter, the nail hole would not be enlarged when doing the bottom stitching.
5. The lubrication oil automatic filling system adopted on the stitching head, can be set according to the need.



Electrical System

1. Repeat orders saving function is controlled by PLC.
(The orders produced before can be picked out at the next time with the last time speed status)
2. PLC is from Mitsubishi, Japan, Main motor from Teco. Taiwan
3. Clutch from Germany and Japan Joint Technology product, the inverter from Delta Taiwan.
4. Electric module, switches from Schneider, Photoelectric switch from Omron Japan.
5. Oversized LED Screen can clearly know the current running speed and output.

Specifications



Size	Machine size (mm)			Suitable board	Belt speed (m/min)	Power (kw)	Weight (kg)	Model
	A	B	C					
2400	20800	3300	2400	AB,A,B,C	150	11	17000	SP-GZD2400

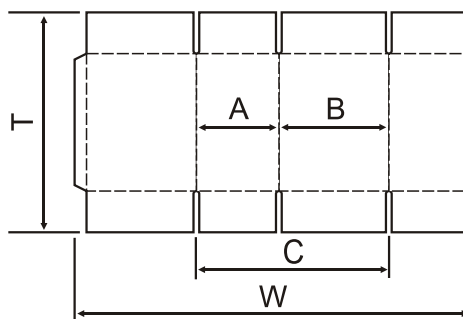
Data of stitching

Stitch speed(Nail/min)	nail distance(mm)		stitching wire	stitching plate(kg)	Model
	max	min			
1100	100	40	18 # (1.8×0.7)	25	SP-GZD2400

Box Data

Unit:mm

Model	2400	
Size	Max	min
A	800	200
B	800	200
C		400
T	1000	350
W	2400	830



Special sizes and function can be custom-made.

More details

Suitable board: B-AB and E-AB corrugated boards

Box: can be straight line(0200-0209)

Changing Order: One Smart Key

Front process: Slotting/Die Cutting

Cardboard: Without damaging

Special shape and size box can be custom-made.

Before your order, please tell us your max and min sizes.



SP-GZD Series Auto Folder Gluer Stitcher

Folding and Creasing are more precision

SP-GZD High-Speed automatic folder gluer stitcher machine is the successful and mature equipment. Stitching box and gluing box can be free conversion. This machine integration of the unique design, technology and machine structure, which guarantee carton folding more accurate, Effectively control the carton folding precision. A number of technology to overcome the carton common fish tail effect and other defects, increase in the carton regularity and quality. One click switching Smart smart setting to promise the fast changing orders and easily operation.

Specialized in more 15 years experience for folder gluer and stitcher machine. We are the first and oldest brand for folder gluer machine and stitching machine in China. Rich experience in the application and intimate service to customers, let us become more competitive and cost-effective brand.

SP-GZD Series High-Speed Automatic Folder Gluer Stitcher Machine (3.0 Version)

One Key Smart Changing Order

崛起



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