

FC SERIES

AUTOMATIC AB PAPER FOLDER GLUER

MAIN FEATURES

- Fast Setup: **5-second** servo positioning via digital input with **automatic** size adjustment, significantly boosting changeover efficiency.
- Millimeter Precision: Motion-controlled servo positioning ensures **0-1mm** accuracy for flap-joining and irregular boxes, delivering **precise** and aesthetic results.
- Stable Conveying: **Independent** A/B drives and frequency-controlled suction ensure **smooth** feeding, eliminating paper scuffing and feeding errors.
- Dual Coating: Aluminum hot-melt and stainless steel cold-glue units with **pressure gluing** ensure **uniform**, durable, and **stronger** bonding.
- Smart Interaction: Digital display provides **real-time** self-diagnostics and **automatic fault locking**, ensuring efficient and **safe** operation for both man and machine.

TECHNICAL PARAMETER

Model	FC-2300Z	FC-2600Z	FC-3000Z
Max. Feeding Paper Size (Single)	1150mm×1150mm	1300mm×1150mm	1500mm×1150mm
Mini Feeding Paper Size (Single)	450mm×320mm	450mm×320mm	450mm×320mm
Max Height Of Stack	400mm	400mm	400mm
Main Motor Power	1.5kW	1.5kW	1.5kW
Total Power	18kW	18kW	18kW
Total Weight	4.5T	5T	6T
Dimensions Size (Excluding Delivery Section)	6300×3300×1800mm	6300×3600×1800mm	6300×4000×1800mm

※ Note: 1. The paper Feeding direction is reduced by 200mm when the grinding device is installed.
2. Different size models can be customized according to customer needs.



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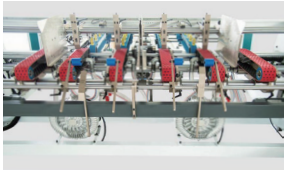


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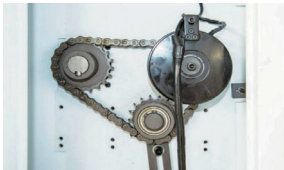
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PRODUCT HIGHLIGHTS



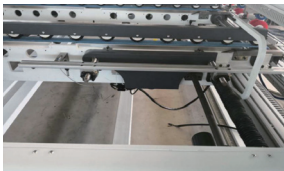
Feeding Mechanism

- Utilizes dual-suction and dual-feed independent control to ensure stable and reliable feeding with higher precision and effortless adjustment.



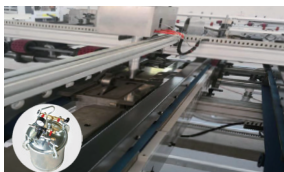
Conveying Mechanism

- Features an independent A/B drive structure to eliminate paper scuffing caused by conveying errors.



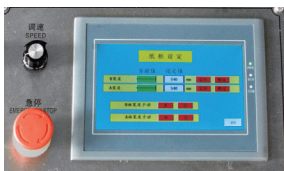
Positioning System

- Equipped with a motion-controlled servo positioning system, ensuring more precise alignment and rapid digital adjustment.



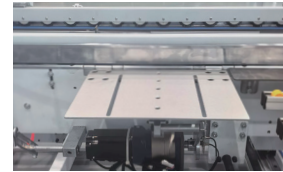
Gluing Mechanism

- Adopts a dual hot and cold coating structure. The aluminum hot-melt box provides rapid heating, while the stainless steel cold-glue box ensures corrosion resistance.



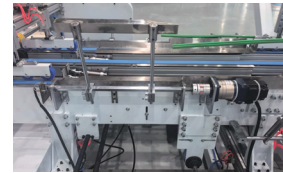
Operating System

- Features smart digital diagnostics and 5-second servo precision setup. One-key switching between four modes enables time-saving and efficient automatic adjustments. Combined with dual-channel frequency conversion suction and comprehensive safety protection, it ensures a steady and robust production process.



Pre-folding Section

- Through precise pre-folding technology, paperboard fiber tension is eliminated in advance to ensure smoother folding during high-speed operation, effectively preventing spring-back and significantly enhancing the aesthetic quality and stability of the finished product.



Final Folding Section

- Driven by servo motors paired with three conveying belts to ensure stable paper travel; with adjustable pressure, it ensures precise joining of two-piece boards, strictly controlling the flap-joining error within 0-1mm.



Delivery & Pressing Section

- A professional assembly-line delivery mechanism combined with constant-pressure technology maximizes mechanical efficiency. While ensuring strong bonding, it enables neat stacking of boxes for convenient subsequent packaging and warehousing.



Electrical Control System

- Integrating a motion control system, the electrical components feature renowned domestic and international brands, ensuring not only stable and durable operation but also providing an intelligent fault locking mechanism to comprehensively guarantee man-machine safety from both software and hardware dimensions.

SCOPE OF APPLICATION

- Specially designed for A/B double-piece joining and irregularly shaped boxes. Highly compatible, ensuring precise folding for various complex box types.

