

# HD SERIES

## HIGH SPEED AUTOMATIC FOLDER GLUER AND STITCHER

### TECHNICAL PARAMETER

Model	HD-2800	HD-2800 Ultra	HD-3200
Max sheet (L×W)	2800 mm × 1200mm	2800 mm × 1200mm	3200 mm × 1200mm
Min sheet (L×W)	760mm × 300mm	760mm × 300mm	760mm × 300mm
Max stitching speed (L×W)	1600 stitches/min	1600 stitches/min	1600 stitches/min
Stitching gap	40-500mm	40-500mm	40-500mm
Stitching quantity	1-99	1-99	1-99
Machine net weight	9.7T	11T	12T
Machine size (L×W×H)	17000mm × 4200mm × 2600mm	17000mm × 4200mm × 2600mm	18500mm × 5000mm × 2300mm
Stitch angle	45°	45°	45°
Air source	0.6-0.8Mpa	0.6-0.8Mpa	0.6-0.8Mpa
Power source	380VAC/3P, 50Hz	380VAC/3P, 50Hz	380VAC/3P, 50Hz
Power	≤ 23kW	≤ 28kW	≤ 31kW
Applicable paper	A, B, C, AB flute, 3ply, 5ply, 7ply corrugated paper		
Automatic feeder pressure adjustment	No	Yes	Yes
Automatic stitching head pressure adjustment	No	Yes	Yes
Customized small side folding	No	Yes	Yes
Folding part full servo control	No	Yes	Yes

### MAIN FEATURES

- Full-Process Intelligent Control
- Modular Multi-Functional Platform
- Adaptive Stitching Modes
- Quick Order Changeover
- Six-axis Automation Line
- High-efficiency Stitching Head
- Smart Stitching Monitoring
- Full Corrugation Compatibility



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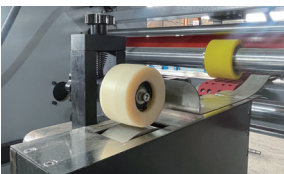
## PRODUCT FEATURES

- The key feature of the machine is **full computer control**, easy operation, stable quality, high speed to achieve economic benefits, labor cost saving.
- This is an **all-in-one** machine, separately it can do folding gluing, stitching, or folding gluing and stitching. **Single stitching and double stitching** can be easily switched.
- Job-change can be done in **3-5 minutes** for mass production. (Order memorizing function included)
- Suitable for A/B/C/AB flute, **3ply, 5ply, 7ply** corrugated paper.
- **Automatic** paper folding, correcting, stitching, gluing, counting and stacking.
- Use **swinging head**, small power consumption, faster speed, more stability, effectively improve the quality of the stitching box.
- Use the paper correction device to make **secondary compensation** and correct the positioning mistake, eliminate the unaligned part to perfectly stitch the box.
- The automatic stitch feeding can realize **stitch detection** and stitch breaking.
- **One-key conversion** between stitching and gluing function.

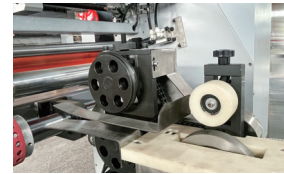
## PRODUCT HIGHLIGHTS

**Feeding Part**

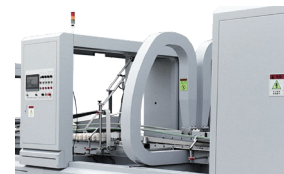
- With the retention-frame pneumatic flap, more stable, higher accuracy.
- Siegling high wear-resistance suction belt, can control the air volume, ensure complete paper adsorption, ensure stable paper transmission, accurate positioning.
- Split air suction unit, effectively reduces the after-sales maintenance cost and time.

**Pressing Part**

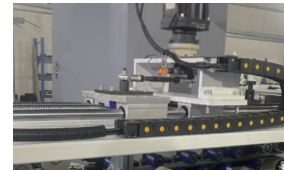
- The independent edge pressing structure effectively solves the problem of thick cardboard blasting in the process of stitching.
- The split transmission shaft can be adjusted separately and tightened to ensure that the belt pressure is consistent, the paper is stable and effectively avoid the shaft phenomenon.

**Creasing Part**

- The patented design with active line pressing device to ensure stability, good forming effect and smooth packaging.

**Folding Part**

- Adopts synchronous belt drive to avoid the phenomenon of cold start skid and ensure the smooth transmission of paper.
- Reinforced four-axis transmission to ensure that the machine operation, transportation process is stable, no deformation.

**Flap Part**

- Reciprocating straight line beat correction, high accuracy, stable operation.
- The forward-leaning arched beam is conducive to carton connection and transmission.
- Sunken belt design greatly strengthens the molding accuracy and smoothness of the carton.

**Stitching Part**

- The swing stitching head ensures low power consumption, faster speed, and greater stability, enhancing nail box quality.
- Integrated design guarantees precise distance control, while simplifying installation, maintenance, and operation.
- Customized alloy material ensures the blade withstands 90 million cycles wear-free.
- Seven-series aluminum alloy exhibits superior heat dissipation and mechanical properties compared to standard materials.