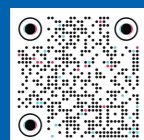


FENGCHI 锋驰

GUANGDONG FENGCHI PRINTING MACHINERY CO.,LTD.
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FENGCHI 锋驰

**WORLD-CLASS
POST-PRESS MANUFACTURER**



GUANGDONG FENGCHI PRINTING MACHINERY CO.,LTD.

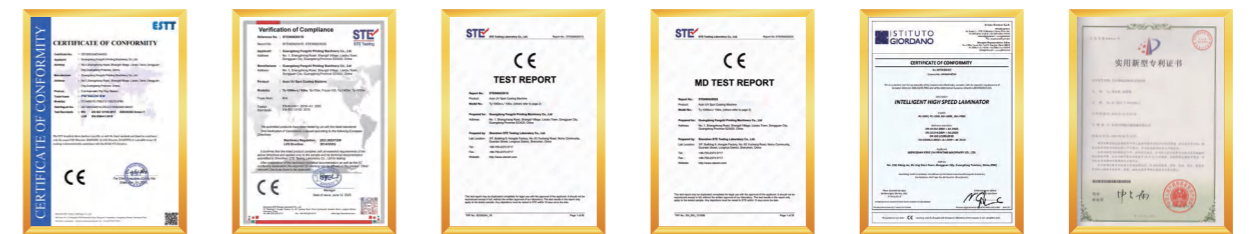


COMPANY PROFILE

Guangdong Fengchi Printing Machinery Co., Ltd. is a high-tech innovative enterprise dedicated to the R&D, manufacturing, and sales of premium **High-Speed Flute Laminator** series. Headquartered in Dongguan, Guangdong—a city renowned as a "Global Manufacturing Hub"—our facility spans over **50,000 square meters**. Equipped with an advanced machining center and a specialized production technology institute, our R&D engineers account for **30%** of our total workforce. We provide specialized, customized solutions for the **color box and corrugated carton** sectors, precisely addressing industry pain points in **post-press processes such as over-gluing, laminating, and stacking**.

As a technology-driven leader, our R&D team brings **over a decade** of deep expertise to the printing and packaging industry. Half of our core members hold doctoral degrees, fostering a culture of profound technical accumulation and standout innovation. To date, FENGCHI has secured **41 utility model patents** and **9 invention patents**, driving continuous product iterations. By pioneering multiple industry-first technologies and leading the formulation of industrial standards for flute laminators, we have firmly established our position as the industry benchmark. Furthermore, we actively engage in high-end international technical cooperation, including a deep strategic partnership with the **renowned German brand Stock**. Together, we co-develop and manufacture high-end laminators and integrated peripheral equipment, synergizing Sino-German technical advantages to reach world-class performance levels.

Driven by professional industrial design, reliable quality, cutting-edge technology, competitive pricing, and a comprehensive service system, FENGCHI not only maintains the **No. 1 sales volume in the Chinese laminator market** but also exports to over **60** countries and regions. By achieving the **top sales position in both domestic and overseas markets**, we have become an exemplary benchmark for Chinese equipment brands going global. Currently, we have established **after-sales service centers in China, Europe, Vietnam, India, Malaysia, Thailand, Algeria, Korea, Mexico, Turkey, and Indonesia**. By continuously expanding our global service network, FENGCHI is committed to delivering core value to global customers through "hardcore" technical strength and all-around support.



World-class Post-Press Manufacturer



HONORS AND CERTIFICATES

- In 2018, it was elected as a **director unit of the first council** of the Dongguan High-Tech Industry Association.
- Since 2020, the single product model **GW Series** has consistently maintained the **No. 1** sales volume nationwide.
- Since 2023, the total overseas market share has exceeded **50%**, securing the **No.1** global market dominance position in flute laminator. In the same year, the company was officially recognized as a **"Specialized, Refined, Differential, and Innovative" (SRDI)** Enterprise.
- Since 2011, we obtained **41** utility model patents and **9** invention patents.
- In 2016, the product passed the EU **CE** safety certification.
- In 2017, it was rated as **Guangdong Province High-tech enterprise**.

PAST EXHIBITIONS

The Journey of Innovation Continues

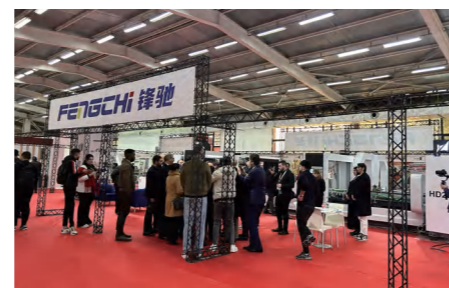
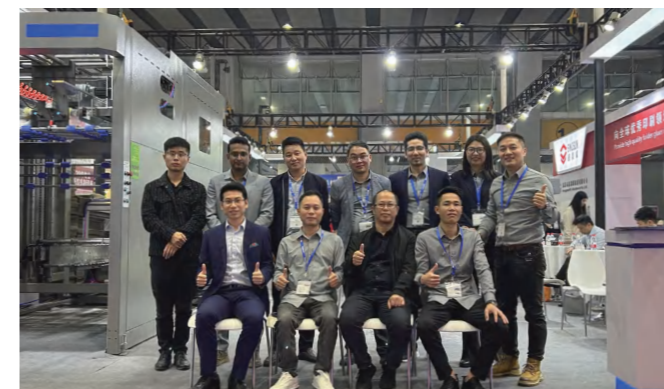
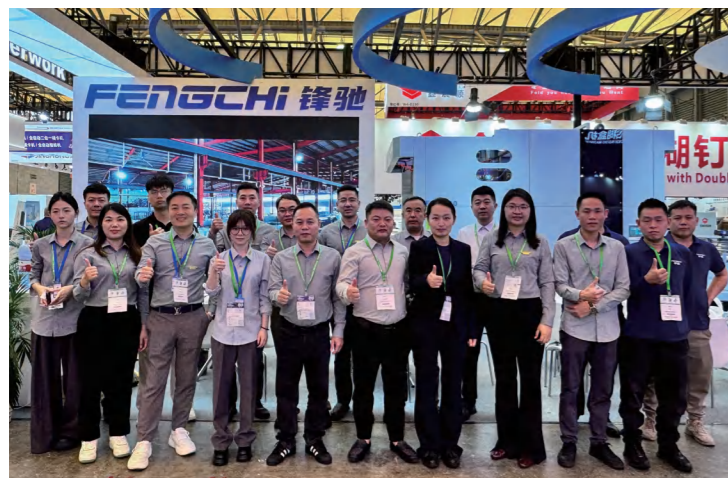
Our global exhibition tour has been more than just a display of machinery; it has been a valuable opportunity to listen, collaborate, and grow alongside our partners worldwide. These moments of breakthrough are the foundation of our shared success.

2025

- February 11 AGROPACK-EXPO Exhibition
Algeria · SAFEX Exhibition Center, Algiers
- April 8 WEPACK World Packaging Industry Expo
Shanghai New International Expo Centre (SNIEC)
- May 15 The 11th China Print 2025
Beijing · China International Exhibition Center
- May 27 PRINT4ALL Exhibition
Italy · Fiera Milano
- July 29 WEPACK South Asia Packaging Industry Expo
Indonesia · Jakarta International Expo (JIEXPO)
- September 9 PRINT2PACK Exhibition
Egypt · Egypt International Exhibition Center
- October 8 ALLPRINT Expo
Indonesia · Jakarta International Expo (JIEXPO)
- November 17 PRINT2PACK Exhibition
Jeddah Center for Exhibitions & Events - KSA

2026

- February 2 AGROPACK-EXPO Exhibition
Algeria · SAFEX Exhibition Center, Algiers
 - March 20 North China Printing & Packaging Expo
Tianjin Meijiang Convention and Exhibition Center
 - March 24 EXPOPRINT & CONVERFLEXO Exhibition
Brazil · Expo Center Norte, São Paulo
 - March 31 GULF PRINT & PACK Exhibition
UAE · Dubai World Trade Centre (DWTC)
 - April 15 China Sino Folding Carton Exhibition
Shenzhen World Exhibition & Convention Center
 - May 6 EXPOGRÁFICA Exhibition
Mexico · Expo Guadalajara
 - May 13 The 3rd VPPE 2026
Vietnam · Vietnam Exhibition Center (VEC), Hanoi
 - September 15 PRINT 2 PACK Exhibition
Egypt · Egypt International Exhibition Center
 - September 28 GULF PRINT & PACK Exhibition
UAE · Dubai World Trade Centre (DWTC)
 - October 7 ALLPRINT Expo
Indonesia · Jakarta International Expo (JIEXPO)
 - October 12 The 10th All in Print China
Shanghai New International Expo Centre (SNIEC)
 - October 15 Taipei International Graphic Arts EXHIBITION
Taipei World Trade Center Exhibition Hall 1
- We Look Forward to.....
Welcoming You at Future Exhibitions.**



GW SERIES

FULL AUTOMATIC HIGH SPEED FLUTE LAMINATOR (EURO-SPEC SERIES)

MAIN FEATURES

- High-speed operation
- One-Key Operation
- Quick job-Change In 3mins
- Full Servo Controlled

TECHNICAL PARAMETER

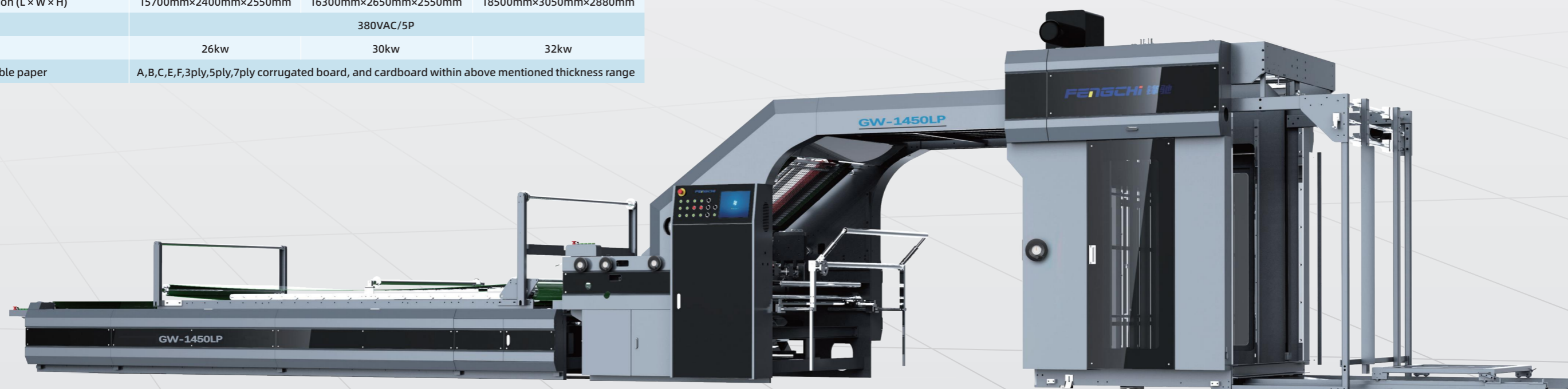
Leading edge feeder version :

Model	GW-1450LP	GW-1700LP	GW-2200LP
Max paper size (W × L)	1450mm×1450mm	1700mm×1650mm	2200mm×2100mm
Min paper size (W × L)	360mm×350mm	360mm×350mm	360mm×350mm
Bottom Paper Sheet Thickness	F flute-10mm		
Upper Paper Sheet Thickness	120g-700g		
Max Speed	16000 Sheets/hour (165 m/min)		
Laminating Accuracy	±1.0mm (Standard Sheet Paper)		
Applicable Glue	Resin adhesive, starch glue, milky glue (PH 6~8 will be suitable)		
Machine Weight	8000kg	8500kg	9000kg
Dimension (L × W × H)	15700mm×2400mm×2550mm	16300mm×2650mm×2550mm	18500mm×3050mm×2880mm
Voltage	380VAC/5P		
Power	26kw	30kw	32kw
Applicable paper	A,B,C,E,F,3ply,5ply,7ply corrugated board, and cardboard within above mentioned thickness range		

TECHNICAL PARAMETER

Belt feeder version :

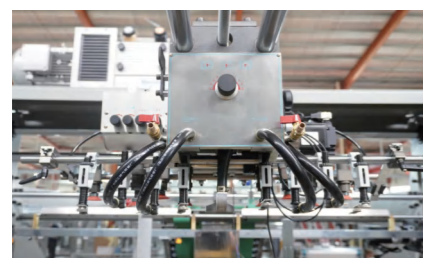
Model	GW-1100BP	GW-1450BP	GW-1700BP	GW-2200BP
Max.Sheet Size (W × L)	1100mm×1200mm	1450mm×1450mm	1700mm×1650mm	2200mm×2100mm
Min.Sheet Size (W × L)	360mm×350mm	360mm×350mm	360mm×350mm	360mm×350mm
Bottom Paper Sheet Thickness	0.3mm-7mm	300gsm-10mm	300gsm-10mm	300gsm-10mm
Upper Paper Sheet Thickness	120g-700g	120g-700g	120g-700g	120g-700g
Max. Working Speed	15000 Sheets/hour (170 m/min)	16000 Sheets/hour (170 m/min)	16000 Sheets/hour (170 m/min)	16000 Sheets/hour (170 m/min)
Laminating Accuracy	±1.0mm (Standard Sheet Paper)			
Applicable Glue	Resin adhesive, starch glue, milky glue (PH 6~8 will be suitable)			
Machine Weight	6000kg	8000kg	8500kg	9000kg
Dimension (L × W × H)	13600×2000×2550mm	15700×2400×2550mm	16300×2650×2550mm	18500×3050×2880mm
Voltage	380VAC/5P			
Power	20kw	26kw	30kw	32kw
Bottom paper applicable	Double-coated paper above 250 gsm, and A, B, C, E, F, 3ply, 5ply corrugated board			



PRODUCT FEATURES

- Max speed: **22,000** sheets/hour. Stable high speed: 16,000 sheets/hour for continuous 24-hour running.
- Power consumption about 8 kW/h, saving about 20% of power.
- Digitally intelligent design with automatic glue and pressure adjustment, as well as automatic bearing lubrication. Technical requirements for equipment operators **reduced by 80%**.
- Enlarged 150mm diameter stainless steel roller, laser engraved anilox, glue apply evenly, fine glue line, no glue-splash, glue used about 18g/m², **saving 30% of the glue**.
- Full servo control systems, high-speed and stable laminating with the accuracy $\pm 1.0\text{mm}$.
- **Reserved 35%** margin of servo motor and drive loading, prolong life cycle over 15 years, ensure the lamination accuracy unchanged.

PRODUCT HIGHLIGHTS



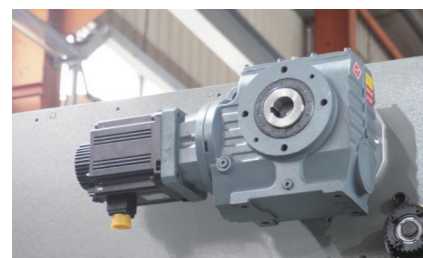
Shaft-less high speed feeder

- Servo controlled high-speed shaft-less feeder front-and-rear auto-adjustment.



Leading-edge Feeder System

- Self-developed leading-edge feeder system specifically designed for deformed, warped corrugated papers.



Servo control lifting pile plate

- High speed feeder smooth feeding, single sheet lifting same as offset printing press, high efficient and stable.



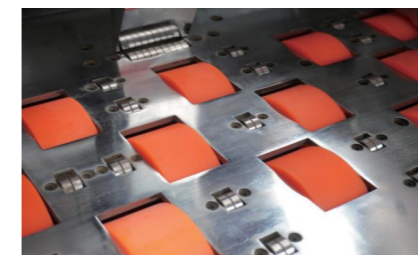
Enlarged glue roller

- Enlarged 150mm diameter stainless steel roller, laser engraved anilox, high-speed and stable without glue splashing.



Dual-bearing structure

- Ensures efficient and stable operation of the machine with doubled life cycle.



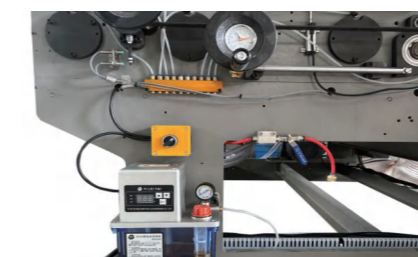
PU bottom feeding wheel

- Unidirectional rotating feeding roller, without wear and tear, service life cycle up to 10 years.



One-button operation

- Adopting 7-8 servo motors control systems, digital intelligent input, automatic order changeover in 2-3 min.



Automatic lubrication of bearings

- Intelligent control for automatic lubrication, no need for daily maintenance, saving labor costs, and improving production efficiency.



Automatic pressure and glue adjustment

- Intelligent control for automatic pressure and glue adjustment, reducing skill requirements of operator.



Pre-stacking system

- Whole pallet loading platform, saving labor costs and time.

GW SERIES

FULL AUTOMATIC HIGH SPEED FLUTE LAMINATOR (MAINSTREAM MODEL)

MAIN FEATURES

- High-speed operation
- One-Key Operation
- Quick job-Change In 3mins
- Full Servo Controlled

TECHNICAL PARAMETER

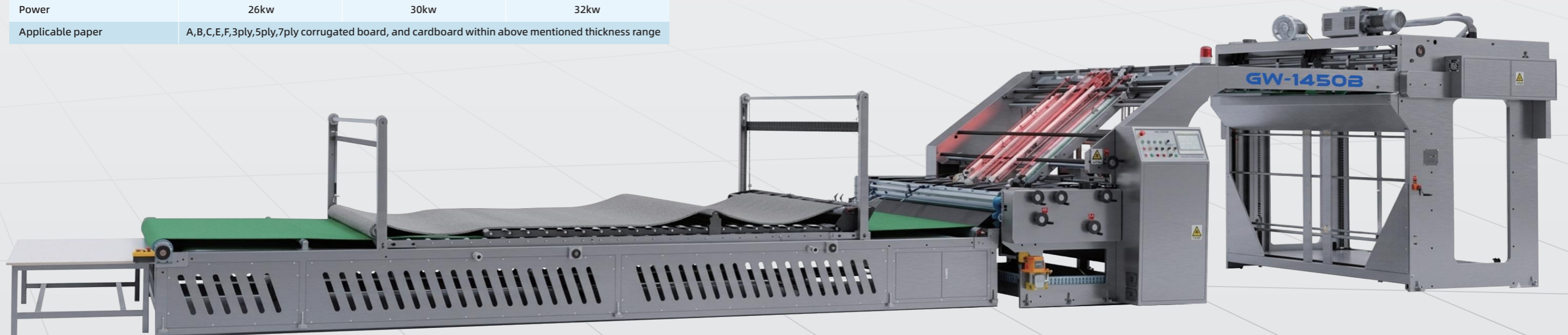
Leading edge feeder version :

Model	GW-1450L	GW-1700L	GW-2200L
Max paper size (W × L)	1450mm×1450mm	1700mm×1650mm	2200mm×2100mm
Min paper size (W × L)	360mm×350mm	360mm×350mm	360mm×350mm
Bottom Paper Sheet Thickness	F flute-10mm		
Upper Paper Sheet Thickness	120g-700g		
Max Speed	16000 Sheets/hour (165 m/min)		
Laminating Accuracy	±1.0mm (Standard Sheet Paper)		
Applicable Glue	Resin adhesive, starch glue, milky glue (PH 6~8 will be suitable)		
Machine Weight	8000kg	8500kg	9000kg
Dimension (L × W × H)	15700mm×2400mm×2550mm	16300mm×2650mm×2550mm	18500mm×3050mm×2880mm
Voltage	380VAC/5P		
Power	26kw	30kw	32kw
Applicable paper	A,B,C,E,F,3ply,5ply,7ply corrugated board, and cardboard within above mentioned thickness range		

TECHNICAL PARAMETER

Belt feeder version :

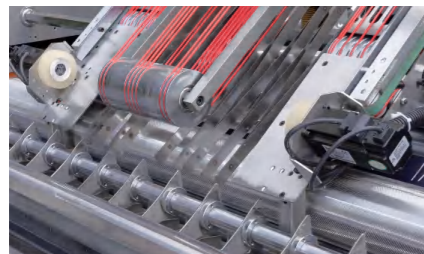
Model	GW-1450B	GW-1700B	GW-2200B
Max.Sheet Size (W × L)	1450mm×1450mm	1700mm×1650mm	2200mm×2100mm
Min.Sheet Size (W × L)	360mm×350mm	360mm×350mm	360mm×350mm
Bottom Paper Sheet Thickness	300gsm-10mm		
Upper Paper Sheet Thickness	120g-700g		
Max. Working Speed	16000 Sheets/hour (170 m/min)		
Laminating Accuracy	±1.0mm (Standard Sheet Paper)		
Applicable Glue	Resin adhesive, starch glue, milky glue (PH 6~8 will be suitable)		
Machine Weight	8000kg	8500kg	9000kg
Dimension (L × W × H)	15700mm×2400mm×2550mm	16300mm×2650mm×2550mm	18500mm×3050mm×2880mm
Voltage	380VAC/5P		
Power	26kw	30kw	32kw
Bottom paper applicable	Double-coated paper above 250 gsm, and A, B, C, E, F, 3ply, 5ply corrugated board		



PRODUCT FEATURES

- Working speed: **165m/min (16000 sheets/hour)**; For small paper sizes, the speed can be faster.
- Easy to switch according to different production batches: Make ready in **2-5 minutes**. Improve production efficiency.
- Optional machine sizes: **1450/1700/2200mm**, match with different printing machines and other post-press machines sizes.
- **Full servo control**, large size rollers with double bearings at each end, automatic lubrication system, photoelectric detection / sensor and alarm system and self-developed operation system to achieve **high stability, high speed, and high efficiency**.
- Very easy to operate and maintain. Remote control for debugging is also available.

PRODUCT HIGHLIGHTS



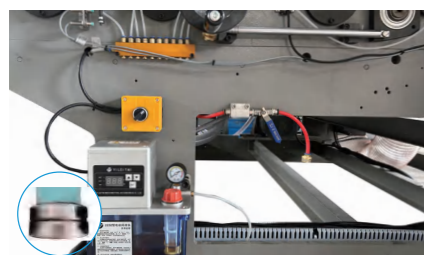
Paper Aligning System

- Full-servo tracking system to ensure stability and high precision.



Leading-edge Feeder System

- Self-developed leading-edge feed system specially for deformed, warped corrugated papers.



Automatic Lubrication System

- Automatic lubrication system aims for maintenance-free equipment.



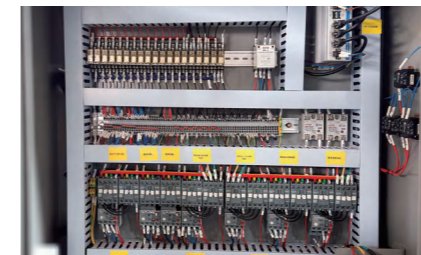
Double Bearings with 150mm Roller

- Bigger roller with diameter 150mm, double bearings for better stability and longer service life.



Special Belt Feeder System

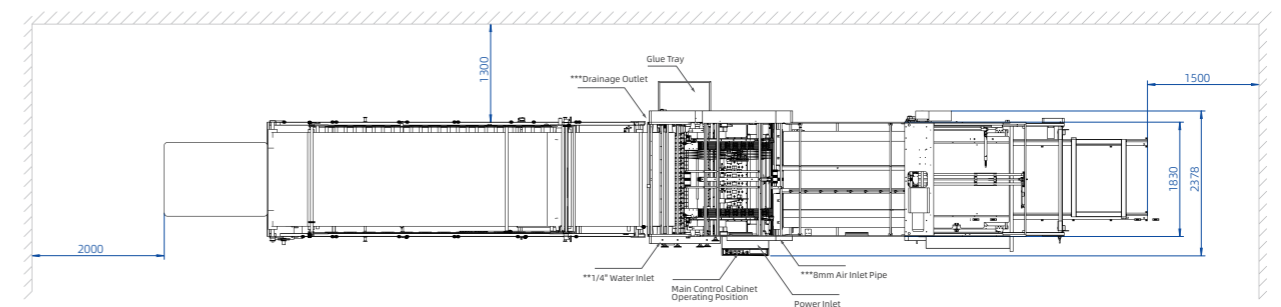
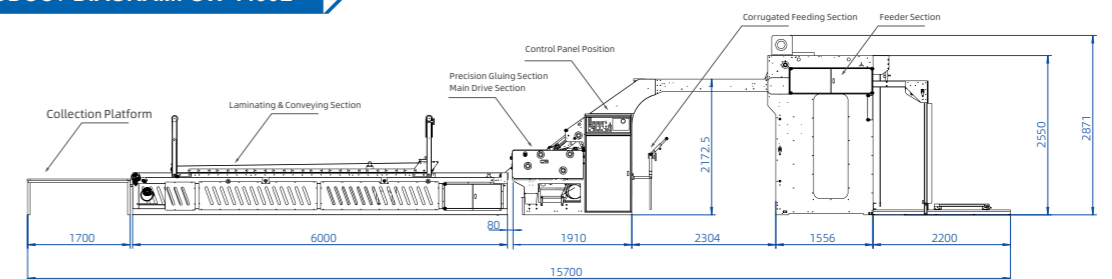
- The unique belt feed specially applies for all kinds of thick and thin cardboard paper, improve the lamination accuracy. Minimum bottom paper thickness is 300 gsm.



Operating System

- Self-developed full servo control system in accordance with CE standard.

PRODUCT DIAGRAM: GW-1450L



GE SERIES

FULL AUTOMATIC HIGH SPEED FLUTE LAMINATOR (COST-EFFICIENT SERIES)

PRODUCT FEATURES

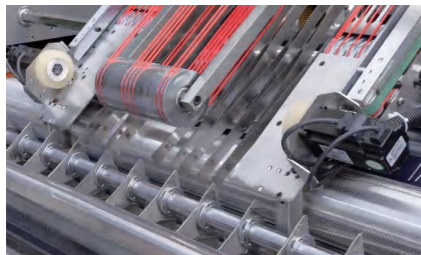
- Production Speed: **153 m/min (13,000 sheets/hour)**;
- Rapid Job Change: **2-5 minutes** for seamless batch switching;
- Maintenance-Free Auto-Lubrication: Centralized oiling with timed precision; extends maintenance intervals to 2,000 hours;
- Kinetic Energy Recovery System: Regenerative braking converts energy back to the grid, reducing consumption by **15%-20%** and lowering operating costs.

TECHNICAL PARAMETER

Model	GE-1450B	GE-1450BP
Max paper size (W × L)	1450mm×1450mm	
Min paper size (W × L)	360mm×350mm	
Bottom Paper Sheet Thickness	300gsm~10mm	
Upper Paper Sheet Thickness	150gsm-700gsm	
Working Speed	13,000 sheets/hour (153m/min) (Depends on paper quality)	
Laminating Accuracy	±1.0mm Standard Sheet Paper	
Applicable Glue	Resin adhesive, starch glue and etc. (PH 6~8 will be suitable for laminating glue)	
Machine Weight	7000kg	
Dimension (L × W × H)	15400mm×2300mm×2550mm	
Power	20kw	
Applicable paper	A,B,C,E,F, 3ply,5ply corrugated board, and cardboard within above mentioned range	
Automatically adjust glue amount	No	Yes
Automatically adjust roller height	No	Yes

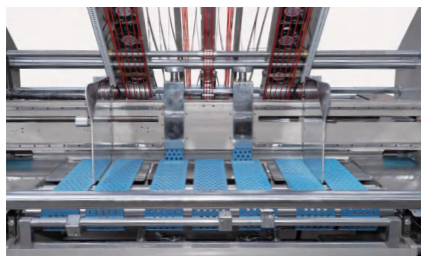


PRODUCT HIGHLIGHTS



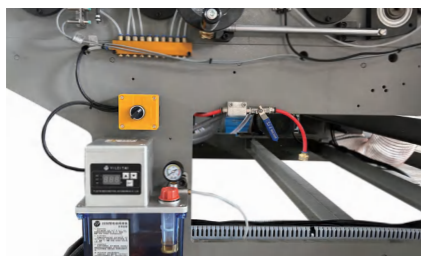
Paper Aligning System

■ The full-servo tracking system ensures stable operation and high precision.



Feeding System for Bottom Paper

■ Adopting advanced high speed motion control servo tracking system to ensure laminating accuracy.



Auto Lubrication System

■ Automatic lubrication system aims for maintenance-free equipment.



Pre-stacking System

■ The pre-stacking system ensures job changeover around 2-3 minutes.



Operating System

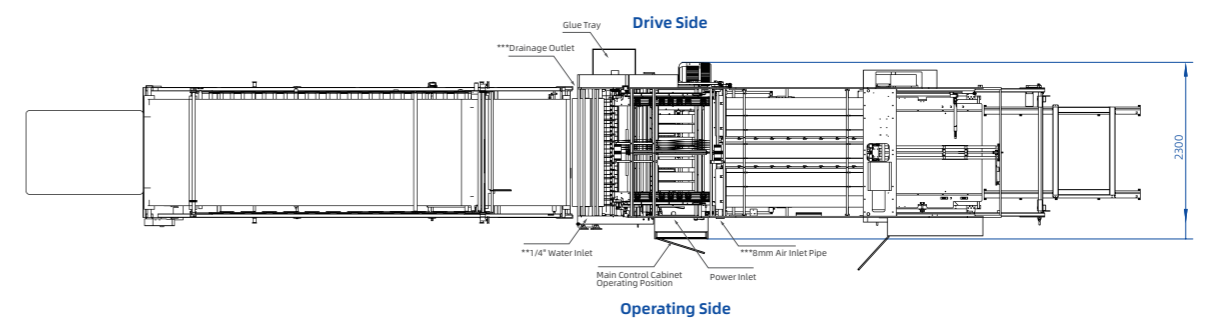
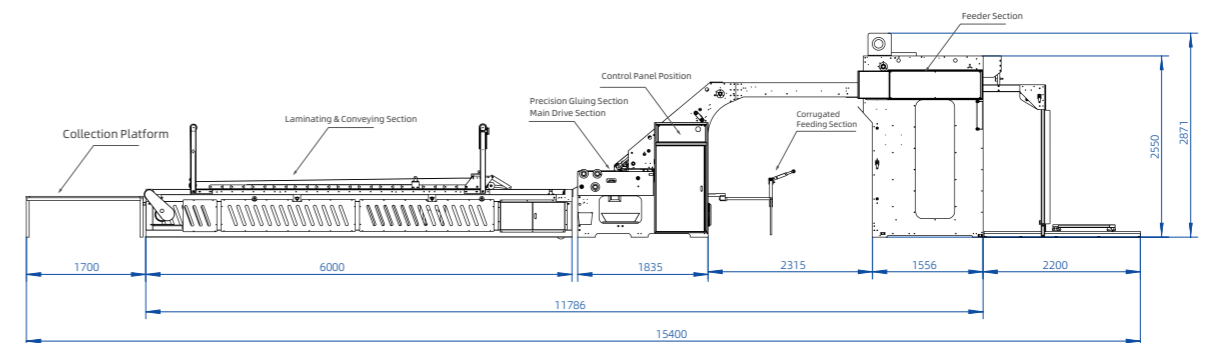
■ The self-developed full-servo control system in accordance with CE standards.



Simple operation interface

■ Full servo automatically adjusts the amount of glue and the height of bottom board, the quality control becomes simpler and easier, and greatly reduces dependence on operator.

PRODUCT DIAGRAM: GE-1450B



MAJOR CLIENTS



MAJOR SUPPLIERS



GM SERIES

FULL SERVO HIGH SPEED FLUTE LAMINATOR (ESSENTIAL SERIES)

PRODUCT FEATURES

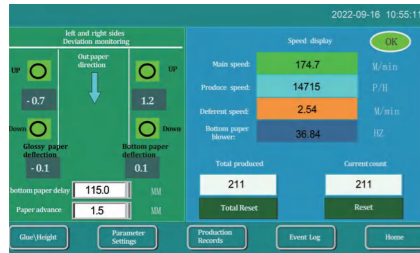
- Intelligent Servo Tracking
One-click compatibility for cardboard and corrugated sheets; **flexible, seamless, and high-efficiency**.
- High-Speed Precision Laminating
 Stable production at up to **15,000 sheets/hour**; reliable performance at peak speeds.
- Smart Auto-Lubrication
 Maintenance-free operation for extended machine life and peace of mind.
- Kinetic Energy Recovery System
 Regenerative braking returns energy to the grid, cutting consumption by **10%-15%** and lowering costs.

TECHNICAL PARAMETER

Model	GM-1450B
Max paper size (W × L)	1450mm×1450mm
Min paper size (W × L)	360mm×350mm
Backing (flute) thickness	0.3-7 mm
Face paper weight	150gsm-700gsm
Maximum speed	15,000 sheets/hour (165 m/min)
Bonding accuracy	±1.0 mm (standard flatboard)
Suitable adhesives	PVA (white glue), starch adhesives, etc. – recommended adhesive pH 6-8
Machine weight	6500kg
Dimension (L × W × H)	12700mm×2300mm×2550mm
Power supply	20kw
Kinetic energy recovery system	4.4 kW regenerative system – recovers over 3 kWh of electrical energy per hour
Applicable substrates	A, B, E, F flutes, double-flute and other flat corrugated boards; cardboard ≥ 300 gsm for lamination.



PRODUCT HIGHLIGHTS



Digital setup system

■ Enter sheet dimensions directly into the touch-screen—pre-marking, feeder, moving frame, backing paper, face paper and conveyor will be set automatically in one operation. The pre-stacking non-stop job-change system allows presetting the next batch while the machine continues running, enabling pre-coding of sheets for the next job without stopping production.



Face-paper feeding mechanism

■ Full sheets are pushed directly into the feeder, reducing labor; sheets can be adjusted laterally. The feeder head and drive (indexing) wheels use shaftless servo drives for smoother sheet feeding.



Backing-sheet feeding mechanism

■ Employs high-speed servo feeding – fast and stable, reducing wear on the feed belts.



Bonding & positioning:

■ Patented tracking-compensation system—each sheet’s front-register position is calculated individually and servo-positioned automatically to ensure stable, high-precision registration.



Operating System:

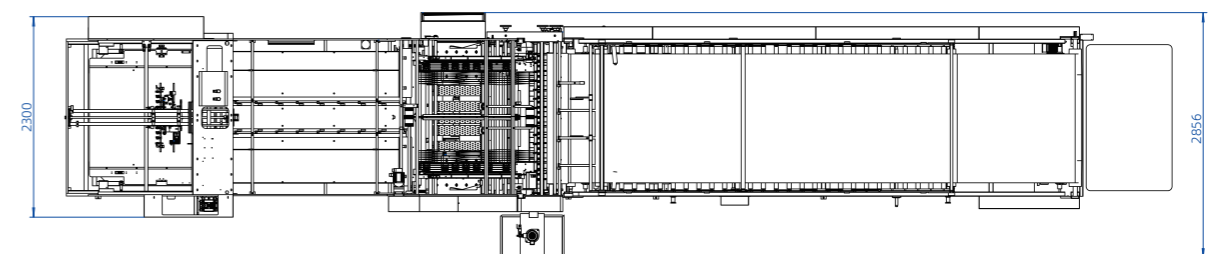
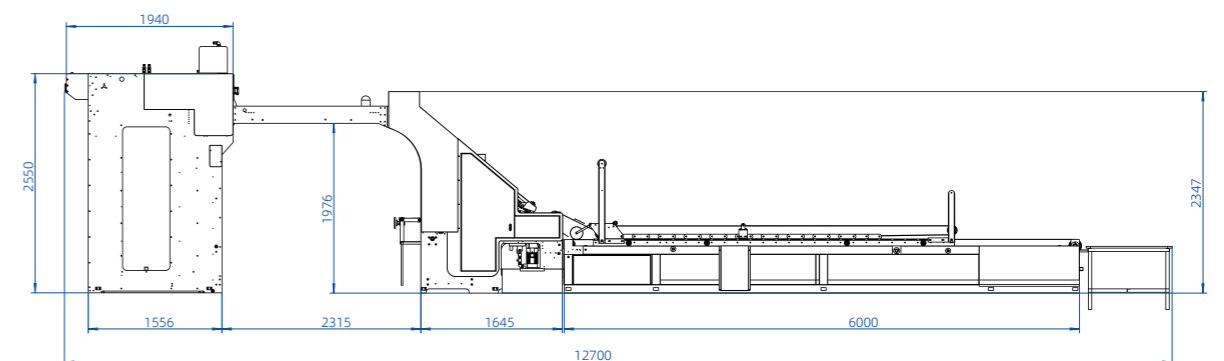
■ Uses a digital control system that is simple and user-friendly, reducing reliance on the machine operator.



Kinetic energy recovery system:

■ Proprietary patented regenerative system – recovers over 3 kWh of electrical energy per hour.

PRODUCT DIAGRAM: GM-1450B



GK SERIES

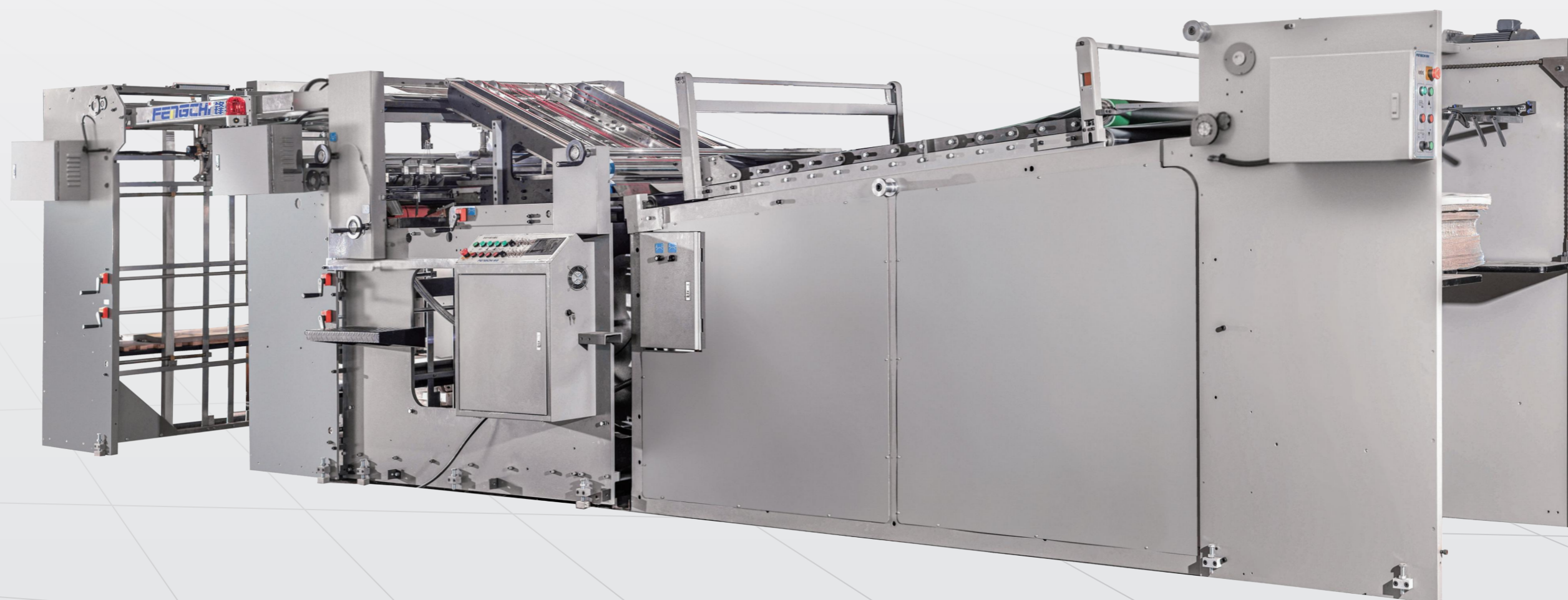
FULL AUTOMATIC CARDBOARD PAPER LAMINATOR

PRODUCT FEATURES

- Digital Servo Control, $\pm 0.5\text{mm}$ Accuracy
- Up to 9,000 sheets/hour
- Front-suction feeder; face $\geq 100\text{g/m}^2$, backing $\geq 200\text{g/m}^2$.
- 18 g/m^2 adhesive— saves glue, ensures bonding.

TECHNICAL PARAMETER

Model	GK-1207	GK-1210
Max paper size (W × L)	1200mm×720mm	1200mm×1000mm
Min paper size (W × L)	450mm×350mm	450mm×350mm
Top paper thickness	100-700gsm	
Bottom paper thickness	200-1300gsm	
Max speed	9000 Sheets/hour	7200 Sheets/hour
Laminating accuracy	$\pm 0.5\text{mm}$ (Standard Sheet Paper)	
Applicable glue	Starch glue, resin glue, milky glue etc.,(PH value 6-8)	
Machine weight	7000kg	
Machine size (L × W × H)	9020mm×2320mm×2180mm	
Input voltage	380VAC/3P	
Power	13kw	
Applicable paper	Thin paper, cardboard paper, coated paper, gray board, thick paperboard etc.	



PRODUCT FEATURES

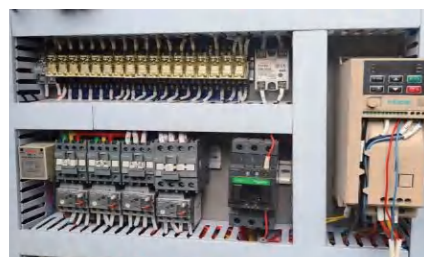
- High precision**
 Digital control system with positional accuracy up to $\pm 0.5 \text{ mm}$.
- High Speed**
 Up to **9,000 sheets/hour** to meet high-volume production needs.
- Wide compatibility**
 Front-suction feeder supports face paper down to **100 g/m²** and backing paper down to **200 g/m²**.
- Glue-saving design**
 High-precision stainless-steel core-wrapped glue roller accurately controls adhesive application at **18 g/m²**, significantly reducing glue consumption while ensuring bonding quality.

PRODUCT HIGHLIGHTS



Laminating Part

- The paper lamination alignment adopts differential speed tracking; the top and bottom papers are simultaneously conveyed to the alignment guide, ensuring accurate lamination.



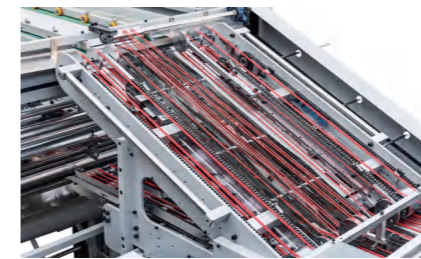
Electric System

- Uses well-known components from both domestic and international brands, designed to meet CE standards, and supports remote control with equipment upgrades.



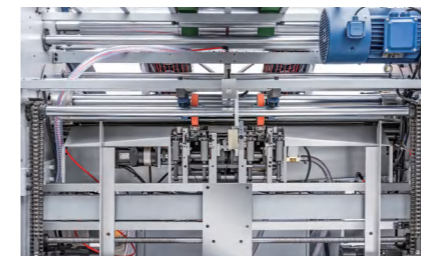
Feeding System

- Uses a 360-degree rotating high-speed front suction servo feeder equipped with a 4.0 kW vacuum pump to ensure faster, more stable paper feeding and smoothly handle both thick and thin papers.



Aligning System

- A full-servo tracking system ensures stability and achieves $\pm 0.2 \text{ mm}$ high-precision alignment.



Servo-controlled Stacking System

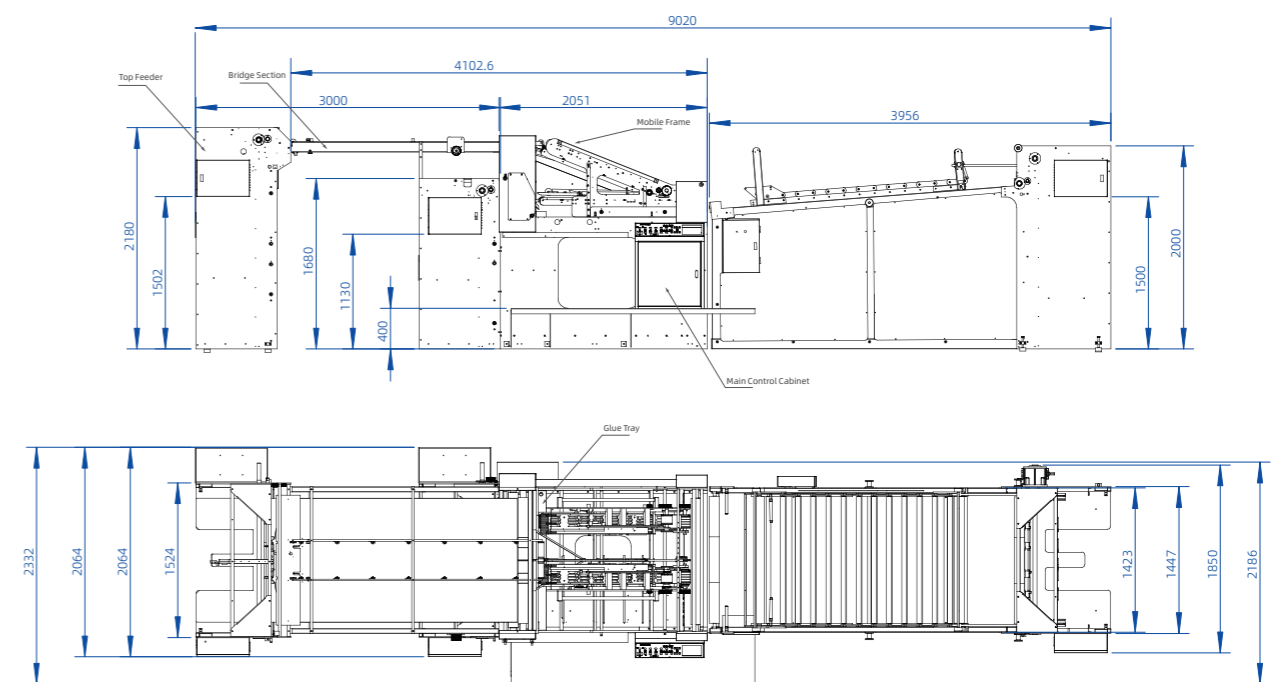
- Uses a servo control system that allows each lift or drop speed to be freely adjusted, ensuring stable, smooth, and seamless conversion.



Paper Collecting System

- Laminated paper is automatically stacked and transported via forklift, thereby reducing labor costs by 30% to 50%.

PRODUCT DIAGRAM: GK-1210



FZ SERIES

FULL AUTOMATIC FLIP FLOP STACKER



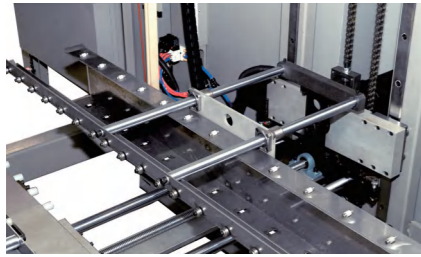
PRODUCT FEATURES

- Full servo motion control system, high-speed, smooth operation and trouble-free.
- High-speed silent track, quiet operation, long-term service life.
- Minimalist operating system, safe and reliable without training, easy to operate.
- Front and back stacking with one-key operation.

TECHNICAL PARAMETER

Model	FZ-1450	FZ-1700
Max. Sheet Size (W × L) :	1450mm × 1450mm	1700mm × 1650mm
Min. Sheet Size (W × L) :	500mm × 380mm	500mm × 380mm
Max. Working Speed :	15000 sheet/hour	15000 sheet/hour
Machine Weight :	3800kg	4000kg
Dimension (L × W × H) :	6955mm × 2432mm × 2892mm	7555mm × 2682mm × 2892mm
Voltage :	380VAC/5P	
Power :	12KW	
Gas source :	0.8MPa > 5.5kW	

PRODUCT HIGHLIGHTS



Pile Turning Mechanism

- Adopting high-speed silent track which is smooth, silent, wear-free, and with long-term service life. The flipping servo and lifting servo electronic cam are locked, the flipping lifting speed can be adjusted disposable.



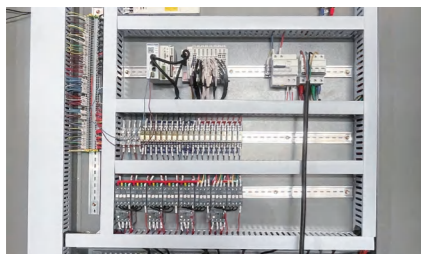
Control Department

- Adopting simple man-machine interface which only needs to input the paper size, one key to adjust the machine, no need to use any tools, one key to start.
- The equipment adopts operation control technology.



Paper Division

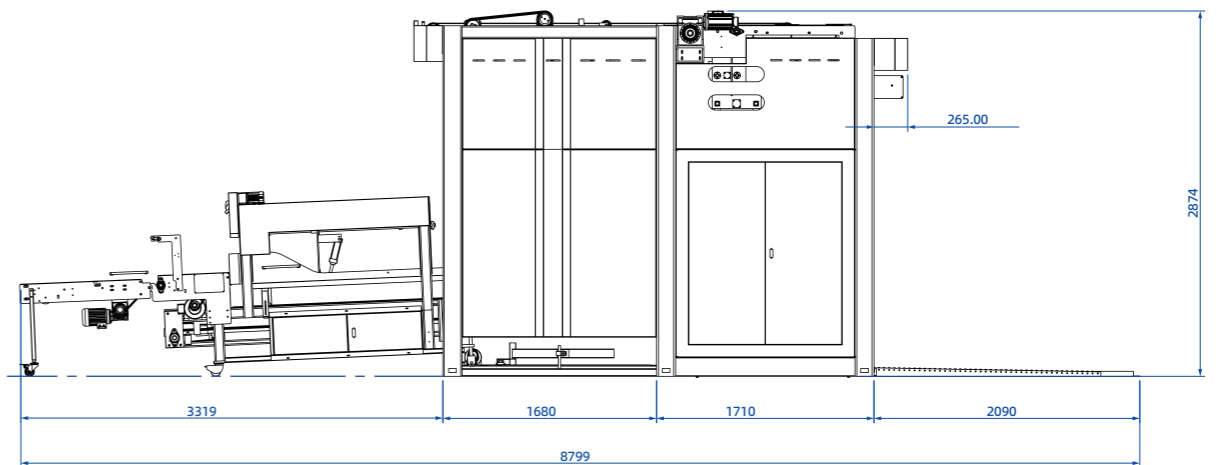
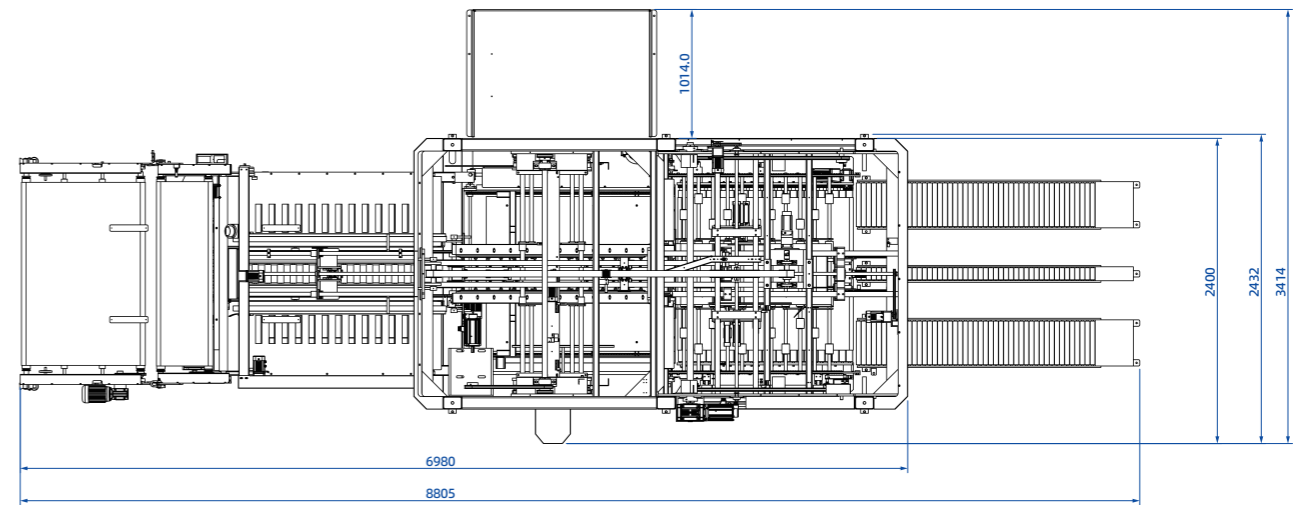
- The three-section independent frequency conversion speed regulation mechanism can adjust the speed of each section of the paper according to the thickness of the paper output from the main machine press.



Electrical Control System

- The system adopts internationally advanced motion control technology and digital control, ensuring smoother, faster, and more stable machine operation with easier usability.

PRODUCT DIAGRAM: FZ-1450



GLOBAL FOOTPRINT



China (Global HQ & Service)	Taiwan, China	Vietnam (Service)	Thailand (Service)	Malaysia (Service)	Indonesia (Service)
Philippines	Cambodia	South Korea (Service)	India (Service)	Pakistan	Bangladesh
Sri Lanka	Afghanistan	Saudi Arabia	United Arab Emirates (UAE)	Israel	Palestine
Jordan	Lebanon	Iran	Uzbekistan	Kazakhstan	
Germany (Service)	Turkey (Service)	Italy	Ukraine	Slovenia	Croatia
Serbia	United Kingdom (UK)	Austria	Hungary	Russia	Poland
Romania	Portugal	Greece	Moldova	Spain	Georgia
Island					
Algeria (Service)	Egypt	Ghana	Nigeria	Ethiopia	South Africa
Uganda	Kenya				
Mexico (Service)	United States (USA)	Dominican Republic	Canada		Australia
Brazil	Argentina	Chile	Peru		New Zealand

Global Service Network: Expanding Continuously...

MAIN COMPONENTS' BRAND

Global Excellence, Built into Every Detail

At FENGCHI, we believe that world-class performance begins with a world-class foundation. By integrating our self-developed intelligent control systems with high-end components from industry leaders in Germany, Japan, Europe, and the Americas, we ensure that every machine delivers uncompromising stability, precision, and longevity. Our global strategic partnerships are your guarantee of industrial excellence.

COMPONENT	BRAND & ORIGIN
Master Control System	FENGCHI Self-developed High-speed, High-performance Master Control System
Precision Alignment Servo Motor & Drive Bottom Sheet Servo Motor & Drive	VEICHI , China
Inverter (VFD)	VEICHI , China
Encoder	HENGSTLER , Germany BEYOND THE STANDARD
Photoelectric Sensor	BAUMER , Switzerland Passion for Sensors
Buttons & Selector Switches	SCHNEIDER , France
Intermediate Relays, Circuit Breakers, & Contactors	FUJI , Japan Fuji Electric Global
Motor	TIEN YI (TYI) , Taiwan, China CHENGMING , China
Vacuum Pump	BECKER , Germany
Bearings	SKF , Sweden; IKO , Japan
Glue Pump	ARYUNG , South Korea

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
Stiching 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

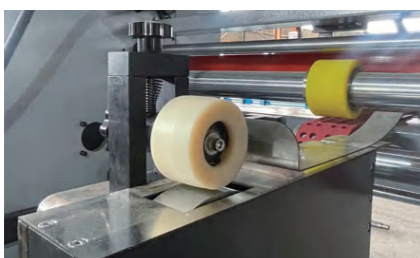
- The key feature of the machine is **full computer control**, easy operation, stable quality, high speed to achieve economic benefits, labor cost saving.
- This is an **all-in-one** machine, separately it can do folding gluing, stitching, or folding gluing and stitching. **Single stitching and double 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



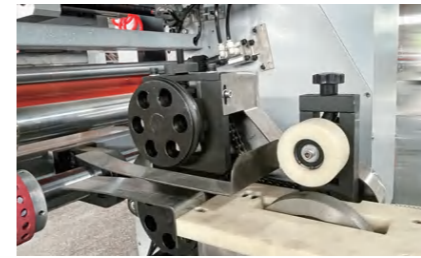
Feeding Part

- 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.

HX SERIES

HIGH SPEED AUTOMATIC SINGLE-SHEET FOLDER GLUER

MAIN FEATURES

- One-touch adjustment
- Reinforced keel base
- Overall weighting
- Electric paper drawer
- Independent wireless remote control
- Electric paper-collection trolley adjustment
- Pneumatic glue supply system
- Synchronous belt drive
- Order memory function
- Remote program-system maintenance and inspection

TECHNICAL PARAMETER

Model	HX-2800	HX-3200
Max.Sheet size (L×W)	2800mm×1200mm	3200mm×1200mm
Min.Sheet size (L×W)	680mm×300mm	
Max. speed	100 m / min	
Scissor opening accuracy	±1mm (If the carton pressing is accurate, there is virtually no deviation.)	
Large and small openings accuracy	±1.5mm (If the carton pressing is accurate, there is virtually no deviation.)	
Net weight	7T	9T
Machine size (L×W×H)	12500×4100×2300mm	13500×4500×2300mm
Air pressure supply standard	0.6-0.8Mpa 0.36m ³ /min	
Power supply	(3P 5W) AC380V±10%,50Hz	
Power	≤7KW (Frequency conversion speed control)	≤11KW (Frequency conversion speed control)
Applicable corrugated board	A,B,C,AB,AC,BC,BE flute, 3-ply, 5-ply corrugated board	



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PRODUCT FEATURES

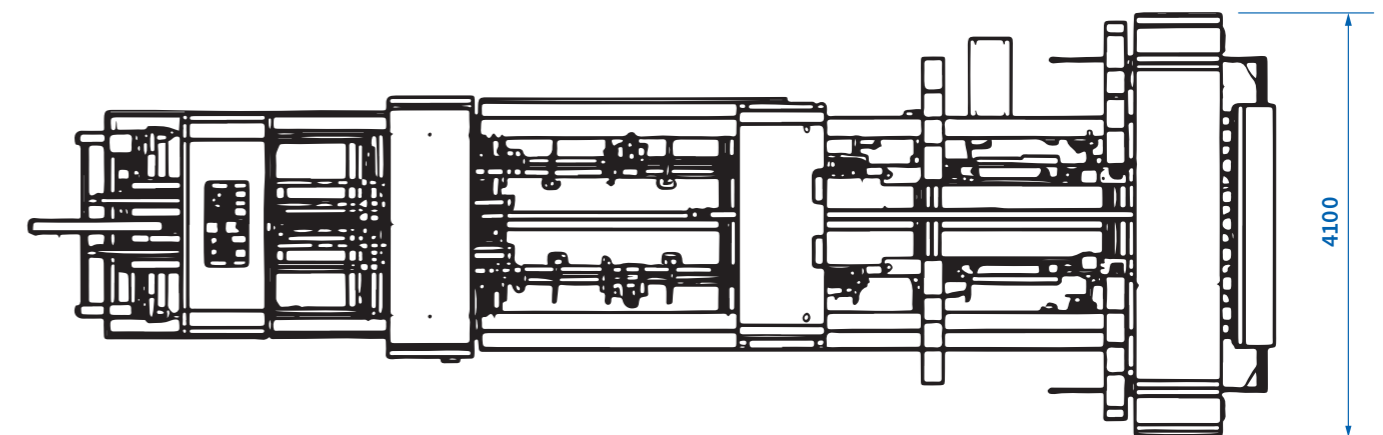
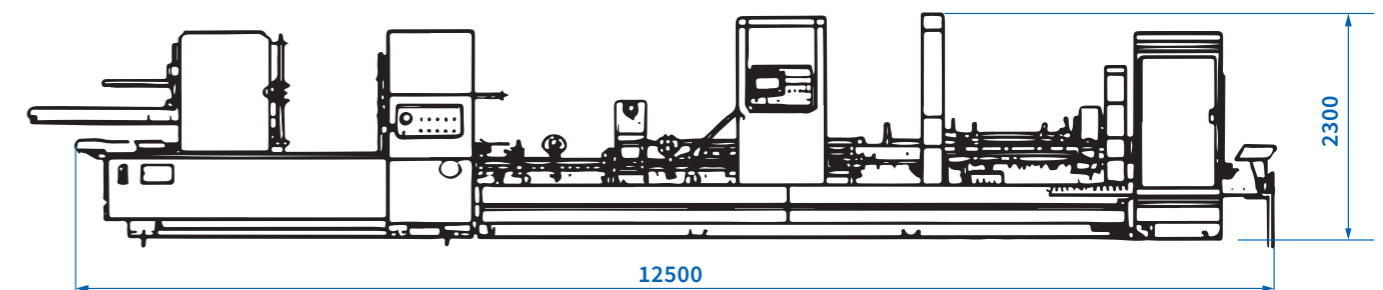
- The key feature of the machine is **full computer control**, easy operation, stable quality, high speed to achieve economic benefits, labor cost saving.
- Job-change can be done in **3-5 minutes** for mass production. (Order memorizing function included)
- Suitable for A/B/C/AB flute, **3ply, 5ply, 7ply** corrugated paper.
- **Automatic** paper folding, correcting, gluing, counting and stacking.
- Use the paper correction device to make **secondary compensation** and correct the positioning mistake, eliminate the unaligned part to perfectly stitch the box.
- **One-key conversion** between gluing function.



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.

PRODUCT DIAGRAM: HX-2800

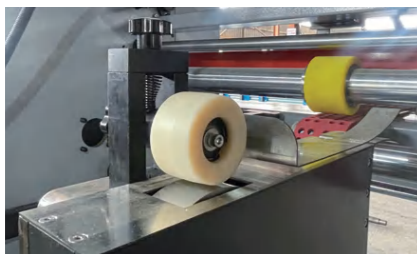


PRODUCT HIGHLIGHTS



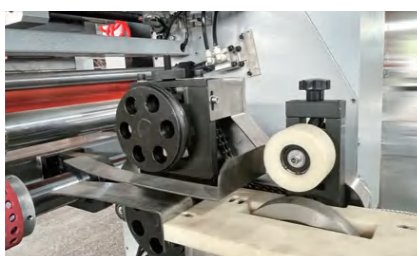
Feeding Part

- 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.

TY SERIES

FULL AUTOMATIC SPOT UV COATING MACHINE



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Guangdong Province, 523422, China

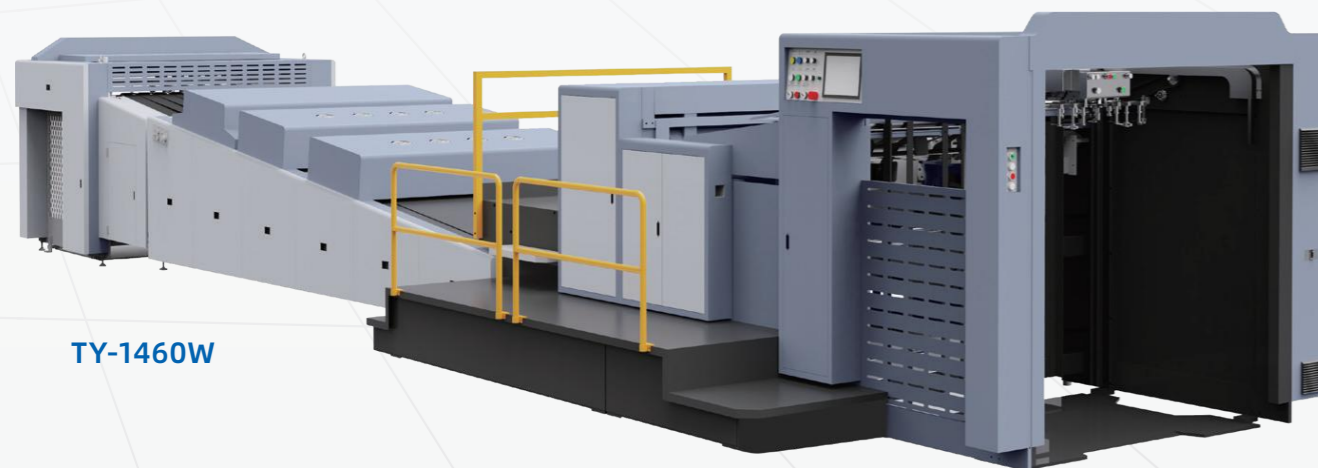
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Web: www.onezimtech.com
Email: info@onezimtech.com

MAIN FEATURES

- Linear Rail Auto-Feeding
- 8,000sph Swing Delivery
- Dual-Roller Coating
- 1,200mm Auto-Stacking
- PLC Frequency Control
- 3-Lamp UV Curing



TY-1060W



TY-1460W

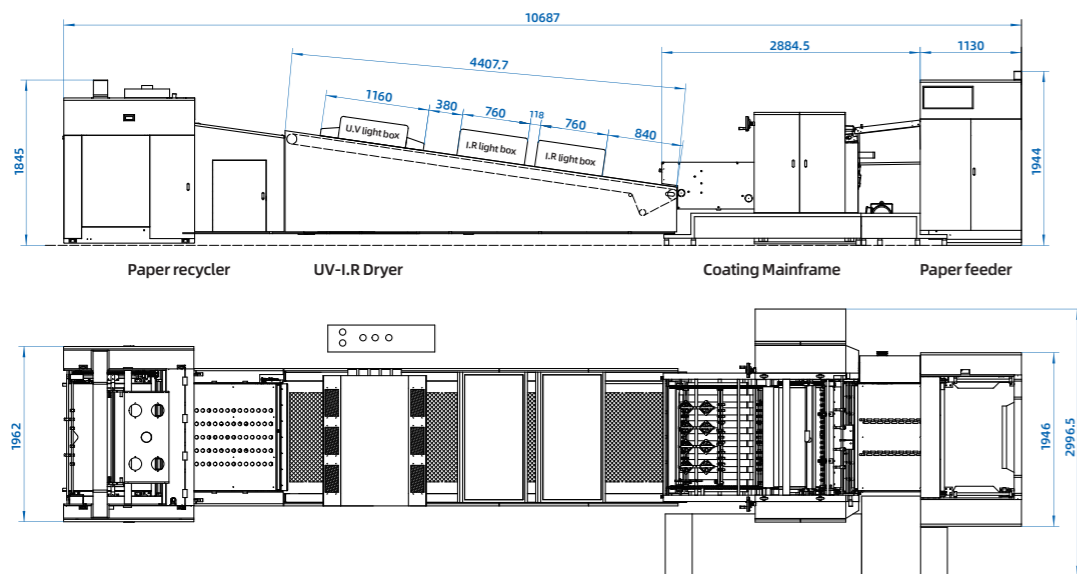
TECHNICAL PARAMETER

Model	TY-1060W	TY-1060W-L
Max.Sheet Size (L×W)	750mm×1060mm	750mm×1060mm
Min.Sheet Size (L×W)	310mm×406mm	310mm×406mm
Max.Coating Area (L×W)	730mm×1040mm	730mm×1040mm
Coating Registration Accuracy	±0.15mm	±0.15mm
Coating Layer Thickness	0.15mm ~ 0.60mm	0.15mm ~ 0.60mm
Sheet Thickness	80 ~ 500 gsm	80 ~ 500 gsm
Up to	6500-8000sheet/hour (Depends on paper size, dimensions and quality)	6500-8000sheet/hour (Depends on paper size, dimensions and quality)
Power Required	40kW (W water-based)	44kW (E oil-based)
Machine Dimension	10625mm×2260mm×2100mm	13225mm×2260mm×2100mm
Machine Weight	7600kg	8200kg

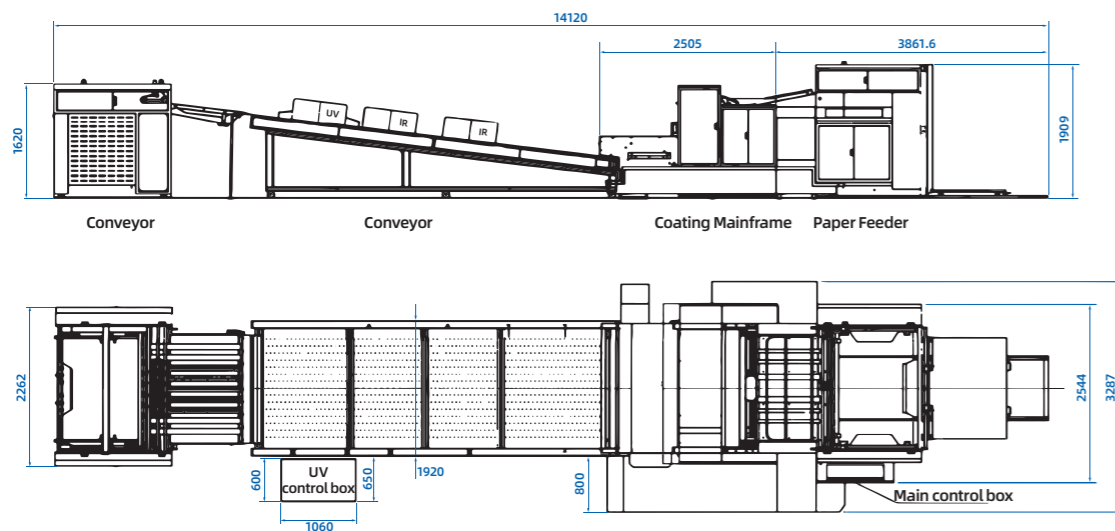
TECHNICAL PARAMETER

Model	TY-1460W	TY-1650W
Max.Sheet Size (L×W)	1100×1460mm	1300×1650mm
Min.Sheet Size (L×W)	350×460mm	400×460mm
Max.Coating Area (L×W)	1090×1440mm	1290×1640mm
Coating Registration Accuracy	±0.15mm	±0.15mm
Coating Layer Thickness	0.15mm ~ 0.60mm	0.15mm ~ 0.60mm
Sheet Thickness	105 ~ 600 gsm	120 ~ 600 gsm
Up to	Up to 5-6000sheet/hour (Depends on paper size, dimensions and quality)	Up to 4-5000sheet/hour (Depends on paper size, dimensions and quality)
Power Required	68kW/Water-based: oil-based total power	76kW/Water-based: oil-based total power
Machine Dimension	11800×3400×2300 mm	12840×3400×2360 mm
Machine Weight	10200kg	12000kg

PRODUCT DIAGRAM: TY-1060W



PRODUCT DIAGRAM: TY-1460W



PRODUCT HIGHLIGHTS



Multi-functional Coating Oil Head

- Dual-roller differential-speed coating head ensures flat, uniform, and glossy oil film with precision.
- Optional ceramic anilox roller with chambered doctor blade configuration.



Electrical Control System

- Full-machine variable frequency drive (VFD) with PLC programmable controller ensures high stability and low failure rate.



Automatic Paper Feeder

- High-reliability suction heads with linear slide rails ensure fast paper feeding, tightly delivering sheets of all sizes.
- Sensitive electro-mechanical double-sheet detector automatically stops feeding upon detecting multiple sheets.
- Maximum paper stack height: 1,150mm.
- Precision front and side guides (front guide and pull guide) with quick-adjust mechanisms for accurate positioning.



UV Drying and Curing Equipment

- Three UV mercury lamps ensure rapid UV coating curing.
- Teflon mesh conveyor with bottom suction enables quiet, high-speed curing and easy maintenance.
- Full/half-lamp switching and UV leakage protection enhance safety.
- Integrated auto-temperature control, fault trip, and cooling /exhaust systems prevent overheating.
- Dual IR drying groups (12x1 kW lamps, staggered layout).
- Auxiliary air-blowing ensures uniform heat distribution.



Automatic Paper Collector

- Integrated auto-loading platform with maximum stack height of 1,200 mm.
- Photoelectric-pneumatic dual-side alignment ensures precise stacking.
- Thin-paper guiding device guarantees smooth and orderly sheet delivery.



Paper Feeding and Printing Unit

- The swing-arm sheet transfer mechanism supports maximum speed of 8,000 sheets/hour.
- Impression and coating cylinders undergo precision grinding and dynamic balancing calibration for dimensional accuracy.
- Quick-mount system for coating cylinder blankets and plate bases, enabling fast plate changes.

FOCUS SERIES

HIGH SPEED LOCAL UV GLAZING MACHINE



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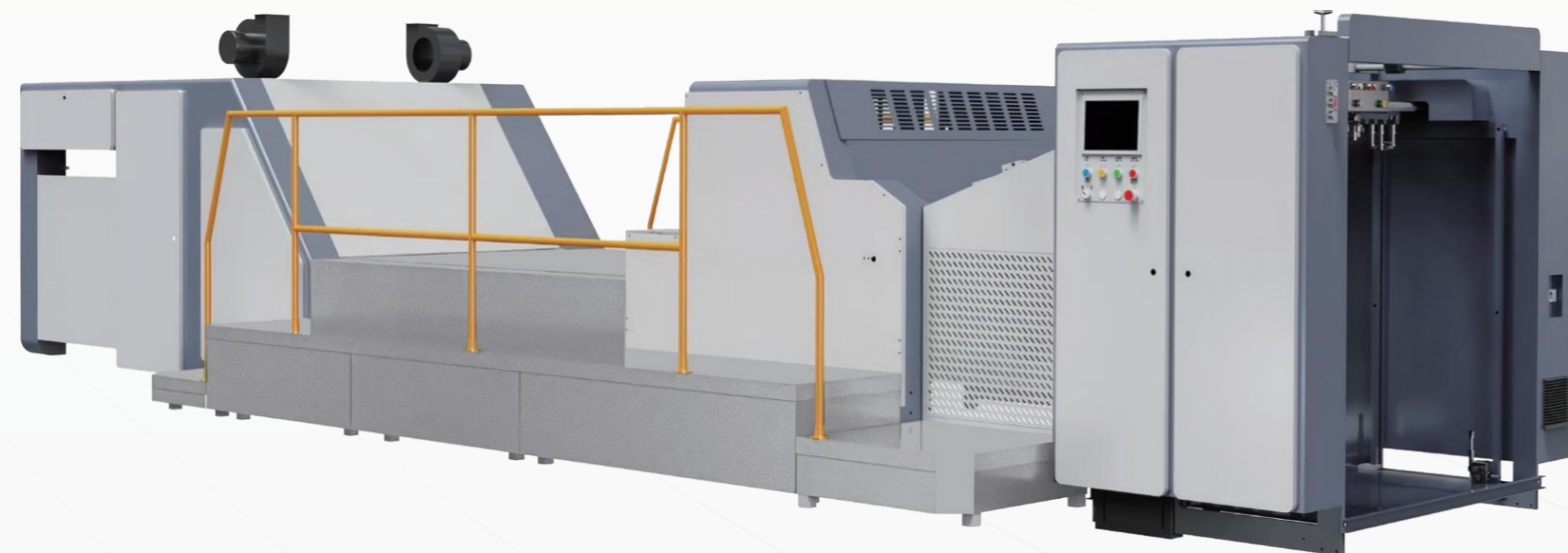
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MAIN FEATURES

- Precision Spot UV Registration ($\pm 0.2\text{mm}$ tolerance).
- Large-diameter roller transfer **minimizes paper curvature**, enabling smooth thick-paper coating.
- Dual-diameter roller pressure reduces varnish surface tension, **suppressing orange peel** while boosting gloss.
- The heavy cast iron construction ensures vibration-free operation at **15,000 RPM**.
- The swing feeder integrates front guides, grippers, and multi-diameter cams for **stable high-speed** sheet control.



TECHNICAL PARAMETER

Model	Focus-102	Focus-105
Max.Sheet Size (LxW)	730mmx1030mm	740mmx1060mm
Min.Sheet Size (LxW)	340mmx406mm	340mmx406mm
Max.Coating Area (LxW)	720mmx1020mm	740mmx1050mm
Sheet Thickness	80~450 gsm	
Mechanical Velocity	9000 sheets / hour	
Machine Dimension	9020x3100x2350 mm	9050x3150x2350 mm
Machine Weight	11730kg	
Total Power Required	48kW Water-based /58kW(uv)	



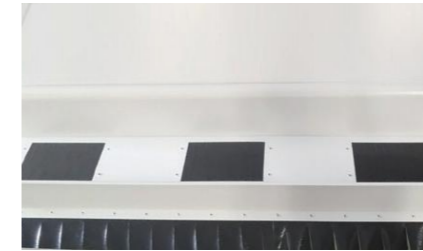
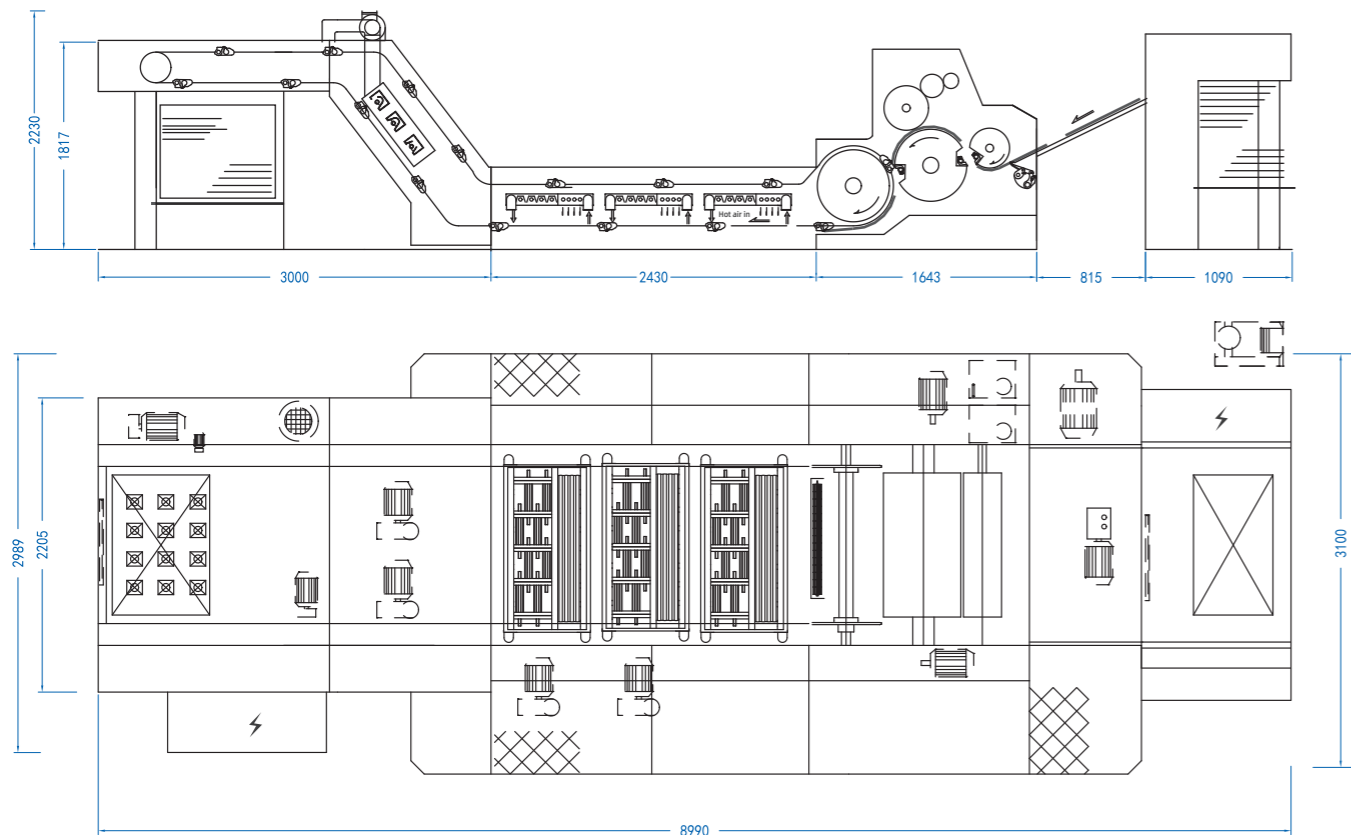
TECHNICAL PARAMETER

Model	Focus-1460	Focus-1650
Max.Sheet Size (LxW)	1100mmx1450mm	1230mmx1650mm
Min.Sheet Size (LxW)	460mmx406mm	460mmx406mm
Max.Coating Area (LxW)	1080mmx1430mm	1210mmx1630mm
Sheet Thickness	128~600 gsm	
Mechanical Velocity	8000 sheets / hour	
Machine Dimension	13250x3400x2170 mm	13250x3600x2170 mm
Machine Weight	13600kg	14000kg
Total Power Required	48kW Water-based /58kW (uv)	

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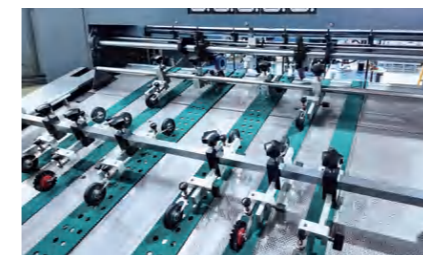
TEL: +86 133 1668 2162
 Web: www.onezimtech.com
 Email: info@onezimtech.com

PRODUCT DIAGRAM: FOCUS-105



UV Drying System (Optional Electronic Light Source)

- The system is composed of three UV lamp tubes (13kW), reflectors, electrical controls, and cooling/exhaust equipment.
- Equipped with automatic temperature control and safety controls for overload/abnormal shutdown.
- Full/half lamp design adjustable to coating speed.
- Operates at full lamp mode normally; automatically switches to half lamp during paper feed tension loss, double sheets, or emergency stop.



Feeder Unit

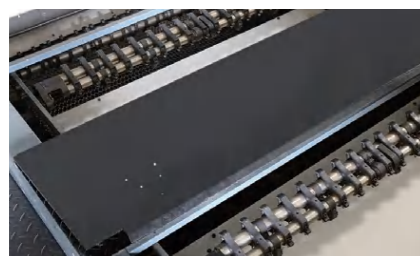
- High-speed feeder system with maintenance-free suction heads, utilizing single-structure bearing rotation control requiring no lubrication and offering wear resistance.
- Allows positional adjustment during operation.
- Precise front / side gauges with micro-adjustment for partial color registration.
- Includes Ray-type double sheet detector and missing sheet detector.
- Equipped with paper table lifting safety device.



Multi Function Local Oil Head

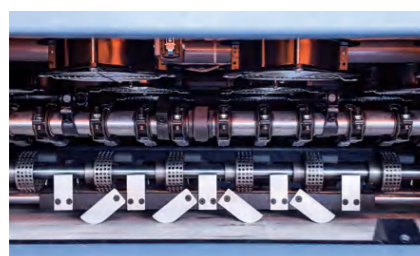
- Pendulum-type gripper delivery system.
- Coating speed up to 9,000 sheets/hour.
- Plate cylinder diameter: $\Phi 300\text{mm}$; Double-diameter pressure roller: $\Phi 600\text{mm}$.
- Enclosed side panels (cast iron, 295mm thickness) with built-in gear transmission.
- Central lubrication system.
- Compatible with resin plates and rubber blankets.
- Convenient plate mounting space for easy loading/unloading.

PRODUCT HIGHLIGHTS



Infrared & Hot Air Drying System (Optional)

- Designed for water-based coating drying.
- Short-wave infrared system delivers large-area high-efficiency uniform radiation.
- High-pressure hot air system with high thermal efficiency and special air circulation design enables rapid drying.



Delivery Unit

- 16 grippers per gripper bar ensure stable paper transfer.
- Integrated cooling fans and exhaust equipment above delivery stack.
- Vacuum suction paper flattening device prevents warping on thin coated sheets, ensuring flat stacking.

MODEL Y

FULL SERVO WINDOW PATCHING MACHINE

(Ideal for all jobs: Flat & V-cut & Tissue Box)

TECHNICAL PARAMETER

Model	BTM-760Y	BTM-950Y	BTM-1100Y	
Flat Patching section	Paper specification 1st (W×L)	760×760mm-100×150mm	950×760mm-100×150mm	1100×760mm-150×180mm
	Machine speed 1st (W×L)	Up to 12000 sheets/hr 0~760mm	Up to 12000 sheets/hr 0~760mm	Up to 10000 sheets/hr 0~760mm
	Paper specification 2st (W×L)	760×420mm-100×150mm	950×420mm-100×150mm	1100×420mm-150×180mm
	Machine speed 2st (W×L)	Up to 24000 sheets/hr 0~420mm	Up to 24000 sheets/hr 0~420mm	Up to 20000 sheets/hr 0~420mm
	Paper specification 3st (W×L)	760×260mm-100×150mm	950×260mm-100×150mm	1100×260mm-150×180mm
	Machine speed 3st (W×L)	Up to 36000 sheets/hr 0~260mm	Up to 36000 sheets/hr 0~260mm	Up to 30000 sheets/hr 0~260mm
	Window dimension (W×L)	500×450mm-30×50mm	500×450mm-30×50mm	500×450mm-50×50mm
Positioning accuracy	±1mm			
Registration section	Paper specification 1st (W×L)	760×760mm-100×150mm	950×450mm-100×150mm	1100×760mm-150×180mm
	Machine speed 1st (W×L)	Up to 15000 sheets/hr 0~760mm	Up to 15000 sheets/hr 0~760mm	Up to 15000 sheets/hr 0~760mm
	Paper specification 2st (W×L)	760×420mm - 100×150mm	950×420mm-100×150mm	1100×420mm-150×180mm
	Machine speed 2st (W×L)	Up to 15000 sheets/hr 0~420mm	Up to 15000 sheets/hr 0~420mm	Up to 15000 sheets/hr 0~420mm
	Window dimension (W×L)	500×400mm-30×50mm	500×400mm-30×50mm	500×400mm-50×50mm
Positioning accuracy	±0.5mm			
Paper weight/sheet thickness	Cardboard: 200-2000g/m ² Corrugated board: 1-4mm			
Filmthickness	PET: 0.03-0.2 PVC: 0.03-0.25			
Power voltage	380V/50Hz			
Machine power	28kW			
Machine weight	3200kg	3500kg	4000kg	
Overall dimension (L×W×H)	5500×1600×2080mm	5500×1850×2080mm	5500×2000×2080mm	

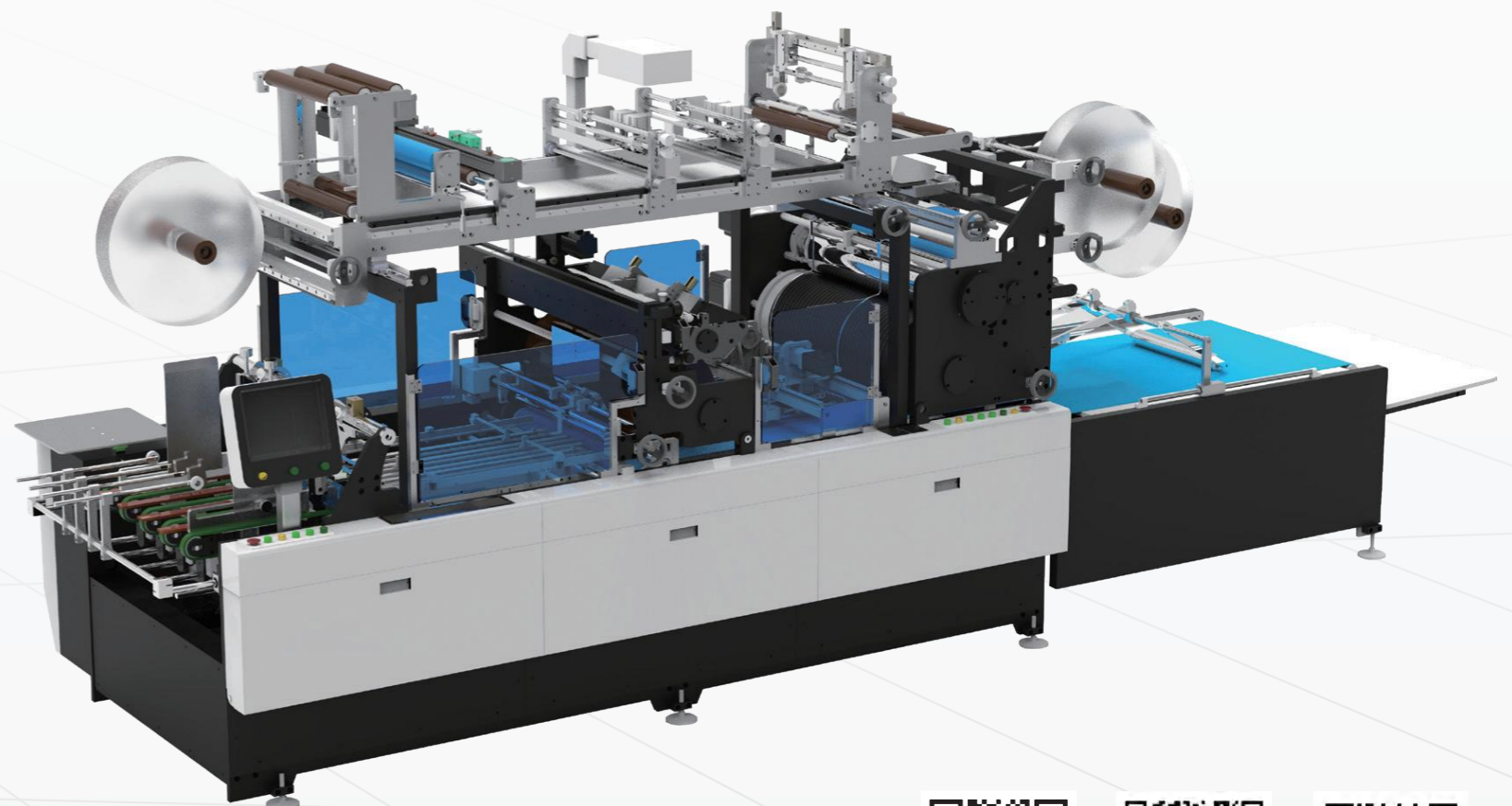
※ The above speeds vary according to box shape and paper type.

MAIN FEATURES

- **High-Speed Efficiency:** Max speed **36,000** sheets/hr (200m/min); continuous **32,000** sheets/hr (185m/min), 24h non-stop.
- **Intelligent Sheet Collection:** Auto count & stack collection for non-box products.
- **Precision Control:** Full-servo system with ±1.0mm flat-patching, ±0.5mm registration accuracy. High-speed stable.
- **Long-Term Durability:** **35%** load-reserve servos; > **15** year life span.
- **Intelligent Setup:** Digital settings + one-touch for glue, film, cut.
- **Synergistic Drive:** **9** servos for smart operation.
- **Precision Alignment:** Eliminates push claw and glue drive errors. Ensures accurate positioning.
- **Gentle Film Feeding:** Independent servo control. Smooth feeding, no stretching.

PRODUCT SAMPLES

Electronic product Box, Cosmetic Box, Cake Box, Tissue Box, Toy Box, etc ...



GUANGDONG FENGCHI PRINTING MACHINERY CO.,LTD.
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PRODUCT HIGHLIGHTS



Paper Feeding System

- Features optimally stable separation blades with zero wobble when locked, ensuring superior paper separation.
- Single-plate feeding belt simplifies maintenance and replacement.
- Linear bearings enable smooth front/rear movement of the paper pressing mechanism; pneumatic vibration motors reduce noise and optimize vibration.



Paper Pressing Wheel Assembly

- Gear-driven dual-power transmission on upper/lower wheels delivers exceptional stability during paper conveyance, particularly with corrugated paper.



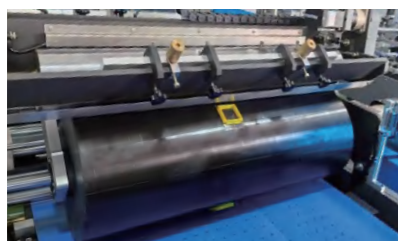
Pusher Claw System

- Linear guide fixation eliminates vibration (vs. linear bearings), ensuring stable paper feed.
- Patent-certified synchronous belt drive provides quiet operation, stretch resistance, oil-free performance, low noise, and sustained precision.
- Front/rear adjustable press wheels adapt to product positions; side-fixed design simplifies setup. Side guides synchronize with claws to reduce adjustment frequency and time.



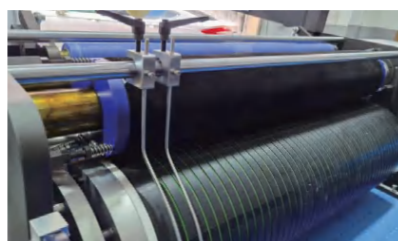
Gluing System

- Independent servo drive allows parameter input via HMI without wrenches or phase adjustment.
- Hard-anodized aluminum alloy glue rollers offer lightweight and high hardness.
- Optimized program with glue sensor enables automatic activation with product presence, separation without product, and jam alarm /shutdown.



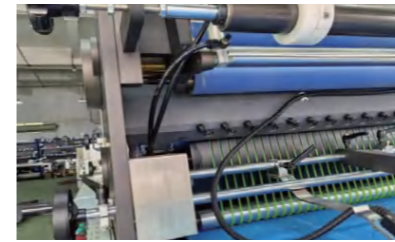
Glue Distribution System

- Dedicated servo drive simplifies transmission and maintenance.
- Entire unit slides out for cleaning.



Film Lamination & Cutting System

- **Lamination Unit:** Monolithic roller ensures stability; aluminum alloy wear-resistant air grooves; spring + screw mechanism enables zero-pressure contact and tool-free maintenance.
- **Cutting Shaft:** 180mm diameter/40mm wall; 17 deep holes + hundreds of air holes with end grooves ensure smooth cutting.



Bottom Blade & Film Feeding

- **Bottom Blade:** Reinforced casting; V-shaped structure (spiral blade-inspired); 5mm sharp steel blade; detachable stainless steel bridge + felt prevent film scratching.
- **Film Feeding:** Dual rollers + long-arm pneumatic clamping for precise length control.



Innovative Tissue Box Slotting Unit

- Independent servo drive enables digital position adjustment.
- Manual screw fine-tuning for lateral positioning.
- Surgical blades allow easy replacement.



Film Unwinding & Collection System

- **Unwinding Unit:** Dual frames support dual-window patching; single-side fixation + operable-side access; magnetic particle brake; axial film sensor requires no recalibration.
- **Collection Unit:** Independent servo system with integrated counting function; Configurable sheet quantity and stacking intervals.



Secondary Positioning System

- Utilizes secondary positioning technology to effectively eliminate errors from push claws entering the belt and glue spreading drive, enhancing overall positioning accuracy.



Register Film Production System

- A modular register film production system integrates servo intelligent film feeding, long-distance film swinging, servo braking, and two-vertical-one-horizontal corner cutting and creasing functions, achieving high-precision intelligent film production.



Electrical System

- INOVANCE components (China's top-tier brand) with bus-based control ensure efficient, stable operation and simplified maintenance.

MODEL Q

FULL SERVO WINDOW PATCHING MACHINE

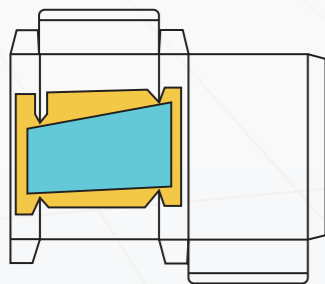
(Ideal for creasing & V-cut)

MAIN FEATURES

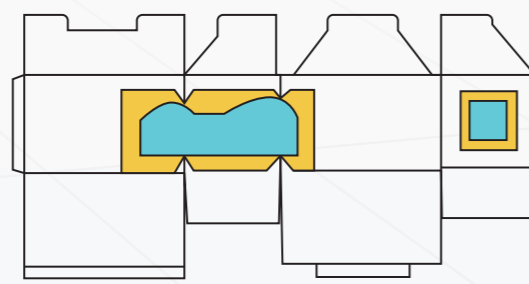
- **High-Speed Efficiency:**
Max speed **9,000** sheets/hr (155m/min), continuous **8,000** sheets/hr (138m/min), 24h non-stop.
- **Intelligent Sheet Collection:**
Auto count & stack collection for non-box products.
- **Precision Control:**
±0.5 mm film accuracy. (full-servo bus + proprietary tech)
- **Long-Term Durability:**
35% load-reserve servos; **> 15** year life span.
- **Digital Intelligent Control:**
Digital feed, glue-position & film-length settings.
- **Synergistic Drive:**
6 servos + **3** motors; one-touch smart operation.

BOX TYPES

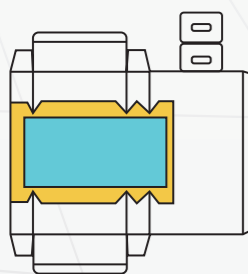
■ 2 Creasing Lines



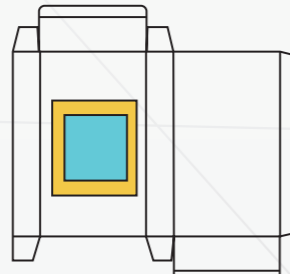
■ Double Windows



■ 3 Creasing Lines



■ General Flat Window



TECHNICAL PARAMETER

Model	BTM-760Q	BTM-950Q	BTM-1100Q
Papersize (W×L)	760 × 780mm - 150 × 130mm	950 × 780mm - 150 × 130mm	1100 × 780mm - 150 × 150mm
Window dimension (W×L)	380 × 300mm - 30 × 50mm	380 × 300mm - 30 × 50mm	480 × 350mm - 30 × 50mm
Paper weight / sheet thickness	Cardboard: 200~2000g/m ² Corrugated board: 1-4mm		
Filmthickness	0.1-0.3mm		
Positioning accuracy	±0.5mm		
Machanical speed	Up to 9000sheet/hour		
Power voltage	380V/50HZ(Three-phase)		
Machine power	16kW		
Machine weight	3000kg	3200kg	3500kg
Overall dimension (L*W*H)	7500 × 1600 × 2000mm	7500 × 1750 × 2000mm	7500 × 1950 × 2000mm

※ The above speeds vary according to box shape and paper type.



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Paper Feeding System

- Features optimally stable separation blades with zero wobble when locked, ensuring superior paper separation.
- Single-plate feeding belt simplifies maintenance and replacement.
- Linear bearings enable smooth front/rear movement of the paper pressing mechanism; pneumatic vibration motors reduce noise and optimize vibration.



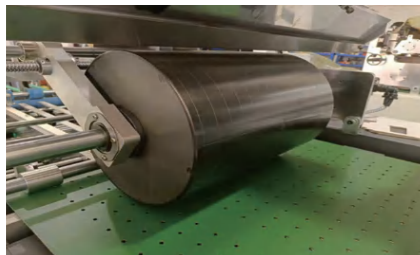
Paper Pressing Wheel Assembly

- Gear-driven dual-power transmission on upper/lower wheels delivers exceptional stability during paper conveyance, particularly with corrugated paper.



Pusher Claw System

- Linear guide fixation eliminates vibration (vs. linear bearings), ensuring stable paper feed.
- Patent-certified synchronous belt drive provides quiet operation, stretch resistance, oil-free performance, low noise, and sustained precision.
- Front/rear adjustable press wheels adapt to product positions; side-fixed design simplifies setup. Side guides synchronize with claws to reduce adjustment frequency and time.



Gluing System

- Independent servo drive allows parameter input via HMI without wrenches or phase adjustment.
- Hard-anodized aluminum alloy glue rollers offer lightweight and high hardness.
- Optimized program with glue sensor enables automatic activation with product presence, separation without product, and jam alarm/shutdown.



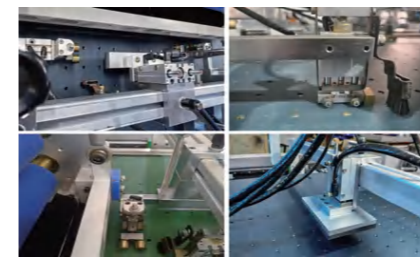
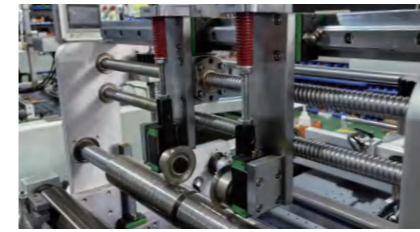
Glue Distribution System

- Dedicated servo drive simplifies transmission and maintenance. Entire unit slides out for cleaning.



Film Forming Section

- Dual-servo drive technology (patent-certified) integrates film feeding, horizontal creasing, punching, print registration, vertical creasing, and cutting for precision forming.
- **Film Feeding Unit:** Dual linear guides prevent swing arm deviation; PLC-controlled motor runs continuously during start/stop; heating optional for films ≥ 0.25 mm.
- **Horizontal Creasing:** Linear module + stepper motor (smooth high-speed operation, easy maintenance).
- **Punching Unit:** Cylinder-driven metal mold; front/rear adjustment (linear guides+rack-and-pinion); left/right adjustment (linear guides + ball screws).
- **Print Registration:** Precise adjustment of printed patterns.
- **Vertical Creasing Unit:** Vertical adjustment (linear guides + eccentric blocks); horizontal adjustment (guides + ball screws).
- **Cutting Unit:** Cylinder-powered spring-compressed blades for quick adjustment.



Lamination Section

- **Front positioning:** Two cylinders + four bearings + positioning block (bearings contact belt, block suspends to protect belt).
- **Side positioning:** Conventional guides or invention-patented push gauge.
- **Pneumatic double-pressing sequence:** Boxes positioned → film extended → belt stops → pressed/cut → system reset.



Box Collection Unit

- Fish-scale collection structure with weighted rollers enhances film-box adhesion.



Electrical System

- INOVANCE components (China's top-tier brand) with bus-based control ensure efficient, stable operation and simplified maintenance.

MODEL P

FULL SERVO WINDOW PATCHING MACHINE

(Ideal for Flat Window and TISSUE BOX)

TECHNICAL PARAMETER

Model	BTM-760P	BTM-950P	BTM-1100P
Paper specification 1st (W×L)	760 × 760mm - 100 × 150mm	950 × 760mm - 100 × 150mm	1100 × 760mm - 150 × 180mm
Machine speed 1st (W×L)	Up to 12000 sheet/hour 0~760mm	Up to 12000 sheet/hour 0~760mm	Up to 10000 sheet/hour 0~760mm
Paper specification 2st (W×L)	760 × 420mm - 100 × 150mm	950 × 420mm - 100 × 150mm	1100 × 420mm - 150 × 180mm
Machine speed 2st (W×L)	Up to 24000 sheet/hour 0~420mm	Up to 24000 sheet/hour 0~420mm	Up to 20000 sheet/hour 0~420mm
Paper specification 3st (W×L)	760 × 260mm - 100 × 150mm	950 × 260mm - 100 × 150mm	1100 × 260mm - 150 × 180mm
Machine speed 3st (W×L)	Up to 36000 sheet/hour 0~260mm	Up to 36000 sheet/hour 0~260mm	Up to 30000 sheet/hour 0~260mm
Window dimension (W×L)	500 × 450mm - 30 × 50mm	500 × 450mm - 30 × 50mm	500 × 450mm - 50 × 50mm
Paper weight/sheet thickness	Cardboard: 200-2000g/m ² Corrugated board: 1-4mm		
Filmthickness	PET: 0.03-0.2 PVC: 0.03-0.25		
Positioning accuracy	±1 mm		
Power voltage	380V/50Hz		
Machine power	21kW		
Machine weight	2600kg	2800kg	3000kg
Overall dimension (L×W×H)	5500 × 1550 × 1800 mm	5500 × 1750 × 1800 mm	5500 × 1920 × 1800 mm

※ The above speeds vary according to box shape and paper type.

MAIN FEATURES :

- **High-Speed Efficiency:**
Max speed **36,000** sheets/hr (200m/min); continuous **32,000** sheets/hr (185m/min), 24h non-stop.
- **Intelligent Sheet Collection:**
Auto count & stack collection for non-box products.
- **Precision Control:**
±1.0 mm film accuracy. (full-servo bus + proprietary tech)
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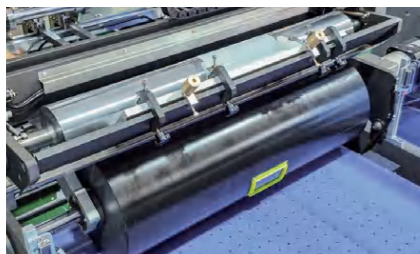
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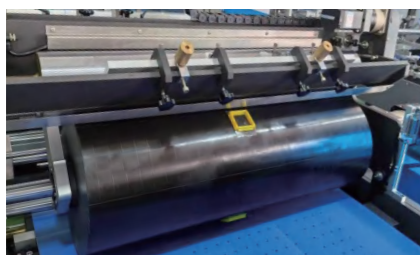
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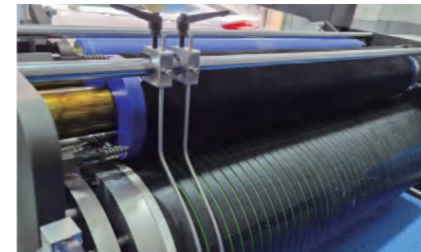
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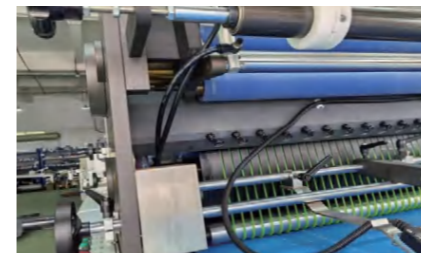
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