

GM SERIES

FULL SERVO HIGH SPEED FLUTE LAMINATOR (ESSENTIAL SERIES)

PRODUCT FEATURES

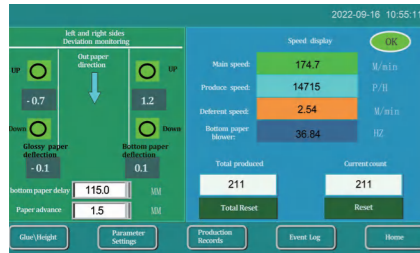
- Intelligent Servo Tracking
One-click compatibility for cardboard and corrugated sheets; **flexible, seamless, and high-efficiency**.
- High-Speed Precision Laminating
 Stable production at up to **11,000 sheets/hour**; reliable performance at peak speeds.
- Smart Auto-Lubrication
 Maintenance-free 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	11,000 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

