

PRODUCT: Fully Automatic Three-in-one Servo Controlled 5 Ply Flute Laminator Machine

MODEL: RI-5FL 1650HS XL



Please note that the picture is for **illustration only** and may vary from the equipment offered.

FL series of Automatic Flute Laminator used for printing and packaging industry on the cardboard to cardboard, corrugated to cardboard for fluting, the application of corrugated are A, B, C, D, E, F, N, three, five, seven story can work, fluted a good flatness of the paper, high accuracy. Well-known manufacturers of genuine products are adopted in the main parts of machine, it is long life, good stability. The world's well-known brands products are adopted in electrical parts, imported bearings is adopted in the key parts, to ensure the stability of the whole performance. Machine with good stability and accuracy of the mounted, easy use, low wear and tear, saving time, the advantages of easy maintenance.

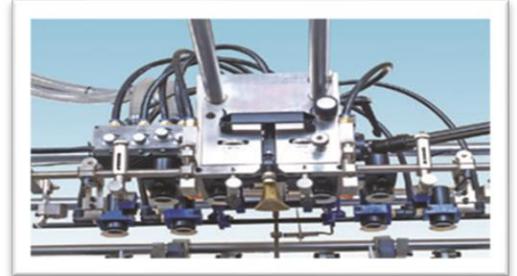
Introduction:

1. Suitable for laminating of cardboard and corrugated cardboard in 150-600 GSM.
2. The vacuum suction-type feeding system can lead the paper accurately into the machine.
3. Using suction automatic feeding of bottom sheet, according to the main machine operating speed, continuous automatic tracking.
4. The machine operation is stable, surface paper with corrugated paper joint perfectly accurate.
5. Machine uses touchscreen/PLC/AC motor control system, the circuit system is stable, and can automatically display the failure alarm.
6. Automatic gluing system, and the glue can be used circulatory, avoid glue waste.
7. Measure rollers line-speed design scientifically, avoid glue fly out when the speed is high.
8. Cleaning type: Bottom roller is extruded by rubber roller to clean the bottom laminating pressure roller, ensure the cleaner on the reverse of the bottom paper, make glue etc. foreign matter after washing direct subside in tank. At the same time, adopting the gear and chain to control the lifting of tank, can take out the tank easily and convenient to wash.
9. The pressure conveyor adopts floating movable structure, total length 5m, equipped with 28 paper pressing rollers, make the cardboard uniform bearing strength in pressing process.
10. Counter designs scientifically, easy recording the amount you have been worked.
11. Small pressure table (optional). length 2.5m, big pressure table length 5m.

Unit Introduction:

Feeder System:

High precision high speed feeder makes the feeding smooth. Strengthen type feeder device, the suction mouth angle can be adjustable, according to different kinds of paper. The Feeding device made in Taiwan ensures that the feeding of surface paper is smooth and accurate.



Surface Paper Transfer Section:

Unique central gear made of wear-resistant PU rubber cooperating with conveying belt ensures stability and smoothness of conveying, which is adaptive for different sheets of different thickness without any abrasion for the printing surface.



Surface Paper Alignment System:

Synchronous sheet pusher on time belt particularly designed ensures the stable and accurate conveying corrugated boards. It can be fine adjusted during the course of working.



Front Lay:

Photoelectric Induction Contraposition Device: The relative servo position of both sides of the paper surface is independently compensated by the use of a plurality of photoelectric eyes and the relative advance of the bottom line.

Bottom Paper Feeding Section:

The bottom paper pressing device can improve the stability of the feeding of the corrugated plate, and the pressure can be adjusted according to the requirement. Good for corrugated board heavier than 300g/m², and corrugated boards of A, B, C, D, E, F, N and three, five or seven layers. Also, with this modification we can run **(2+2+1, 4+2+1, 3+2+2, 4+4+1)** 5 Ply, 7 Ply & 9 Ply paper combination but not committed.



Machine Drive Mechanism:

Imported wear-resistance timing belt, belt wheels cooperating with sheet pusher, adjustment system and alignment mechanism ensures a paste tolerance of $\pm 1.5\text{mm}$ and reduction of torn sheet. The whole machine is driven by synchronous belt, so that the transmission accuracy of the equipment is more stable and the sound is similar to ensure the stability of the whole machine, high efficiency, low failure.

Adjustment System:

Fine regulator completely manufactured in Japan is adopted, which actualizes the adjustment of pasting tolerance during the course of working with high speed, thus improving the working efficiency. Electrical Control Part All the electrical power adopted the world-famous brands, steady and durable, frequency speed governing, lower noise.



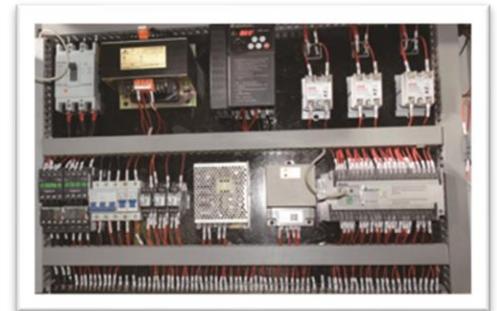
Gluing Section:

Automatic adding glue system detects by electrically operated fluid controller and adds glue automatically during the course of pasting. The thickness of glue is adjustable according to paper. Recycling system of glue avoids a waste of glue and swinging glue, and ensures accurate and tidy laminating. Unique applied anilox roller glues evenly, even suitable for cardboards and cardboards.



Electric Control Panel:

All the electrical power adopted the world-renowned brands, steady and durable, frequency speed governing, lower noise and energy conservation. Man-Machine interface and PLC combination, warning, detection, fault, abnormal situation information displayed on the screen.



Machine Components List:

Main Motor	HEBEI 5.5 kw/6 hp
Servo Motor	SHENZHEN INNONVANCE
Air Pump	JIANGSU
Solenoid Valve	GUANGZHOU
High Pressure Air Blower	HENGLI-SHENGZHOU
Transmission	BJKM-BEIJING
HMI	Delta (Taiwan)
Cog Belt	Taiwan
Suction Belt	Nitta JAPAN
The Host Chain	RENORD ITALY
Main Bearings	SKF SWITZERLAND
Pressure Part Motor	TAIWAN 0.75KW 1:100
Sensors	RUIKE-TAIWAN
PLC	Delta (Taiwan)
Photoelectric Switch	RUIKE-TAIWAN
Contactore	SCHNEIDER (French)
Frequency Changer	Delta (Taiwan)
Transfer Press Belt	Italy (Joint Venture)

Technical Specifications:

Model	RI-5FL-1650HS XL
Max. Sheet Size	1650 mm X 1650 mm
Min. Sheet Size	430 mm X 430 mm
Machine Speed	8000 sheets/hour
Surface Paper Gram Weight	150-600 GSM. (Good quality 120 GSM paper can also be run)
Bottom Paper Thickness	A/B/C/E flute, 3/4/5 layer, less than 10mm thickness
Laminating Precision for Card Board	+/- 1.2 mm
Laminating Precision for Corrugated Board	+/- 1.5 mm
Power Required	25 kw
Weight	12.8 Tons
Machine Size	17.5 X 3.3 X 3.2 mtr