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ROYO MACHINERY

Laminating Machines

FMQ –G

Fully Automatic High-precision Medium Density Fiberboard Laminator

Performance And Characteristics:

This machine is mainly for MDF board laminating with printing top paper, fully automatic and high-speed laminating. Laminated MDF board is widely used on fruit, wine, present and light industrial products package, more strong, environmental and impact resistance.

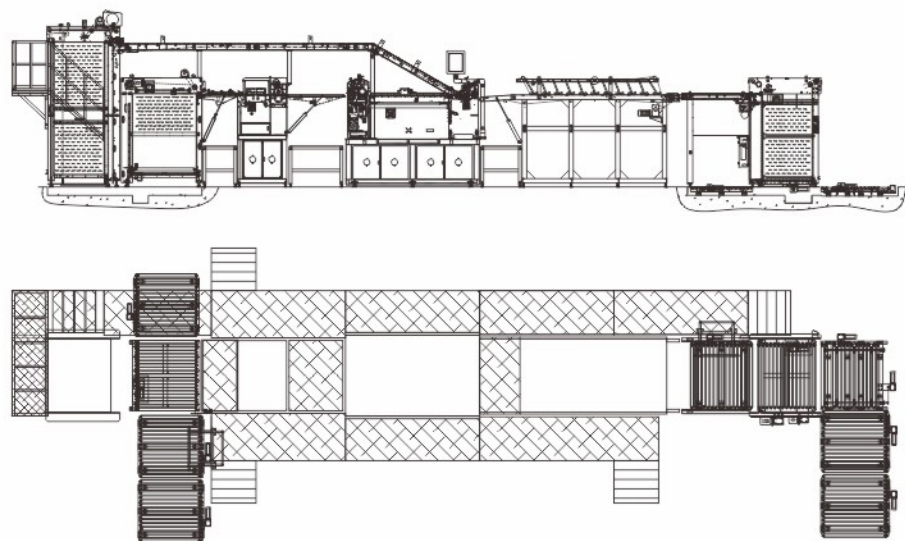
This machine mainly consist of: top paper feeder, bottom paper feeder, floating compression part, down stacker, remote control for convenient maintenance.

Top paper feeder: with roller system to finish paper fulfill and conveying automatically to improve efficiency.

Bottom paper feeder: High-speed and stable feeding head with special design, to make products more clean and accurate by powder cleaner and straightening system.

Floating compression part: adjust automatically according to different products thickness to make finished products more flat and no bubble.

Down stacker: with roller system to finish paper fulfill and conveying automatically to improve efficiency.



(MDF)



Main Technical Parameter:

Model		FMQ-GJ1300
Max. laminating size		1100 × 1100mm
Min. laminating size		500 × 500mm
Max. paper thickness		8mm
Laminating tolerance under high-precision		± 0.5mm
Laminating tolerance under high-speed		± 1.0mm
Max. laminating speed		6000sph
Paper weight(gsm)	Top paper	120 ~ 500g/m ²
	Bottom paper	1.8-6.0mm MDF
Noise		≤ 85dB(A)
Total power		48kw
Overall dimension		17200 × 21500 × 3000mm
Weight		20.5T

The working speed depends on paper size and paper weight.
Design and specification are subject to change without notice.

FMQF-G

FMQF-G High-speed High-precision Flute Laminating Machine

Main Part Picture:



Four sucking and four forwarding high speed feeder



Top paper straightening part

High precision inside 0.5mm to ensure accurate feeding.



Top paper feeding bridge

Single adjust, automatic correction unit



Bottom paper feeding part

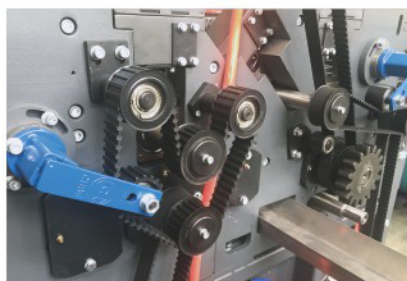
Automatic adjust side register



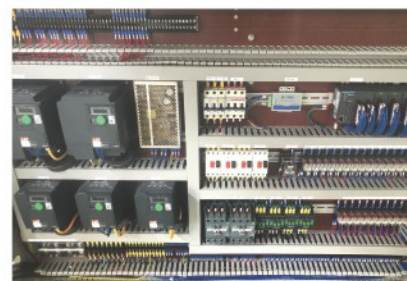
Main laminating part



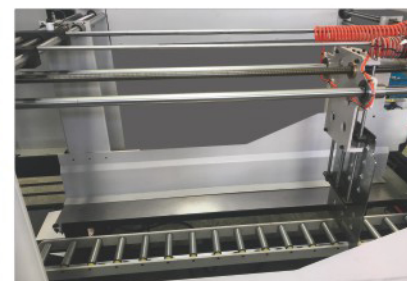
Pressing part, floating pressure



Main Synchronous Belt Drive



Electrical control system



Pushing part

Main Configuration Picture:



Automatic delivery part



Automatic delivery part



Intelligent Control with whole machine monitoring



Reversing part



Reversing unit

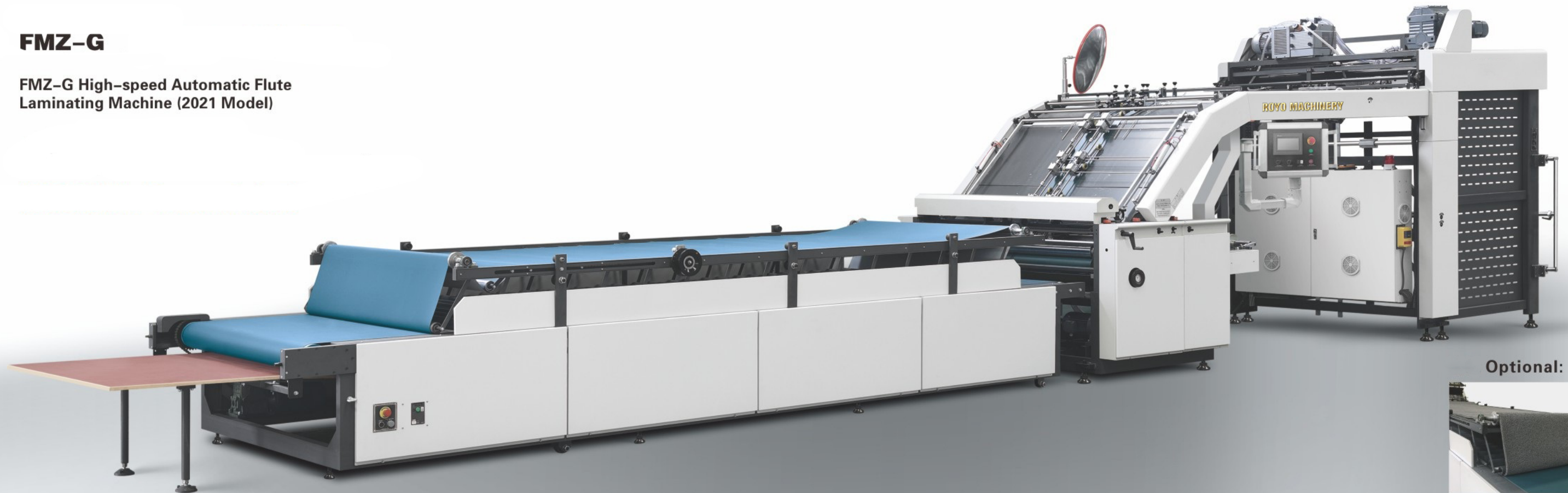


Casting Structure for Main part



FMZ-G

FMZ-G High-speed Automatic Flute Laminating Machine (2021 Model)



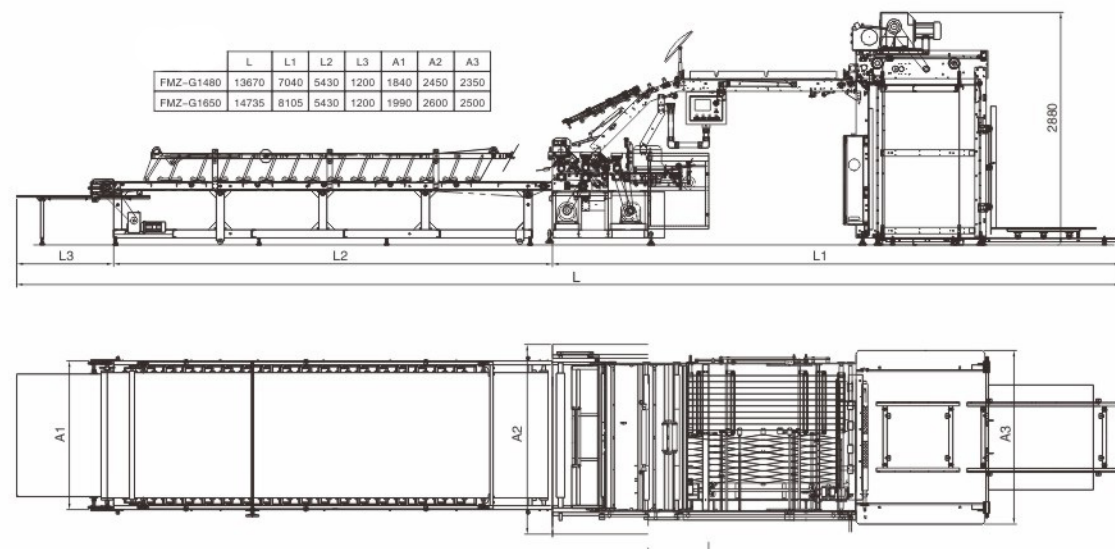
Optional:



Sponge Compression Belt

Performance And Characteristics:

1. With memory function, intelligent operation, fast change production.
2. Intelligent automatic adjust structure, automatic adjust by input paper size.
3. servo motor compensation positioning to ensure front register laminating accuracy; heavy type structure to ensure machine high speed running and long lifespan.
4. Cardboard and cardboard lamination, cardboard and corrugated board lamination, also suits for biaoka, heavy corrugated and thick paperboard, multi-purpose to save purchase cost.



Main Technical Parameter: (High-speed Model and Servo Motor Drive)

Model	FMZ-G1480 (2021)	FMZ-G1650 (2021)
Max. laminating size	1300 × 1480mm	1450 × 1650mm
Min. laminating size	400 × 400mm	400 × 400mm
Max. laminating thickness	12mm	12mm
Laminating tolerance (cardboard and cardboard) front register	± 1.0mm	± 1.0mm
Laminating tolerance (cardboard and corrugated board) side register	± 1.5mm	± 1.5mm
Max. laminating speed(cardboard and corrugated board)piece/hour	12000sph	12000sph
Max. laminating speed(cardboard and cardboard)piece/hour	8000sph	8000sph
Paper weight	Top paper 128 ~ 500g/m ² (Paperboard) Bottom sheet A、C、B、E、F、G single flute, three layer, five layer, seven layer corrugated board	
dB(A) noise	≤85	
Voltage	Standard: 380V, Option: 220V	
Frequency	Standard: 50Hz, Option: 60Hz	
Glue	White glue, Starch glue(PH6-8)	
Total power	23kw	27kw
Overall dimension (L×W×H)	13700 × 2450 × 2960mm	14750 × 2650 × 2960mm
Weight	6.6 t	7.2 t

FMB-G Series Semi-Automatic Flute Laminating Machine



Performance And Characteristics:

- 1. Heightened top sheet feeder enable bottom sheet loading without production stop.
- 2. Turnup bridge plate is convenient for cleaning, discontinuous water-circulating system ensures washing clean.
- 3. Automatic feeding for bottom sheet, manual feeding for top sheet (feeding from side for top sheet is optional).
- 4. Flexible front register, bottom sheet is not exceeding the top sheet, and it's adjustable for the front-and-rear lamination between bottom sheet and top sheet.
- 5. Bottom sheet can, A/B/C/D/E/F corrugated cardboard.
- 6. Intelligent control and compacted energy-saving and controlling play from the stack of paper.
- 7. PLC control.

※ **Optional:** 1) Elevatable platform for top sheet;
2) Dual purpose for cardboard or corrugated board laminating.



Elevatable platform for top sheet
Optional

Main Technical Parameter:		
Model	FMB-1450-G	FMB-1650-G
Max. Sheet size	1450x1100mm	1650x1300mm
Min. Sheet size	350x400mm	350x400mm
Power consumption	9kw	12kw
Speed arrange	0-90m/min	0-90m/min
Weight	3.5t	5.3t
Overall Dimensions	9000x2150x1900mm	9200x2500x1900mm