

EDGE BANDING MACHINE HD511J

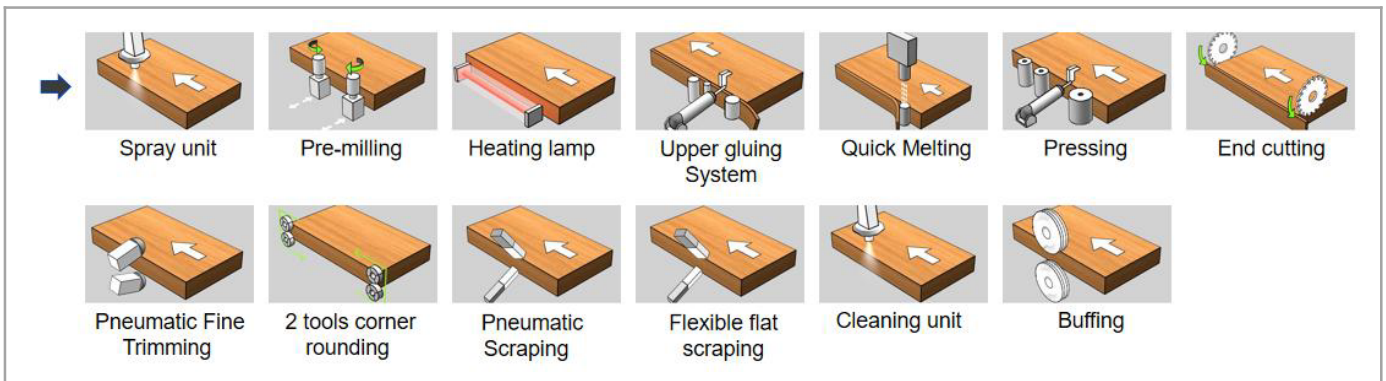


EDGE BANDER:HD511J

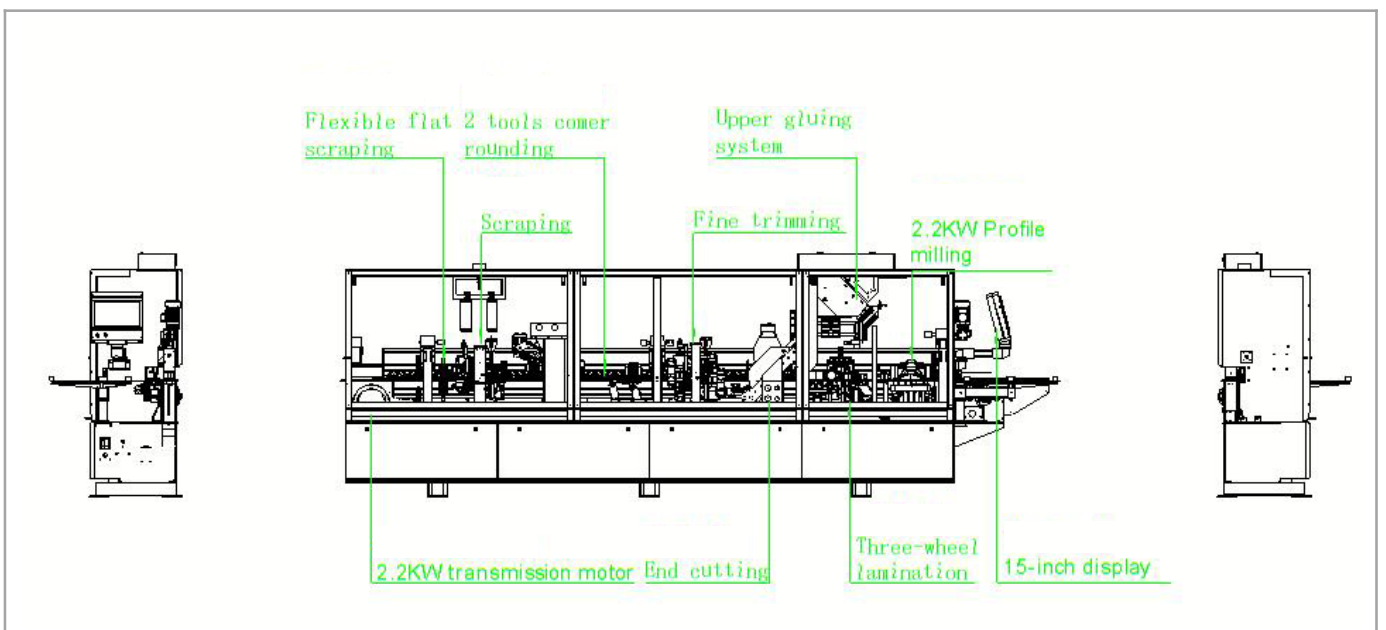


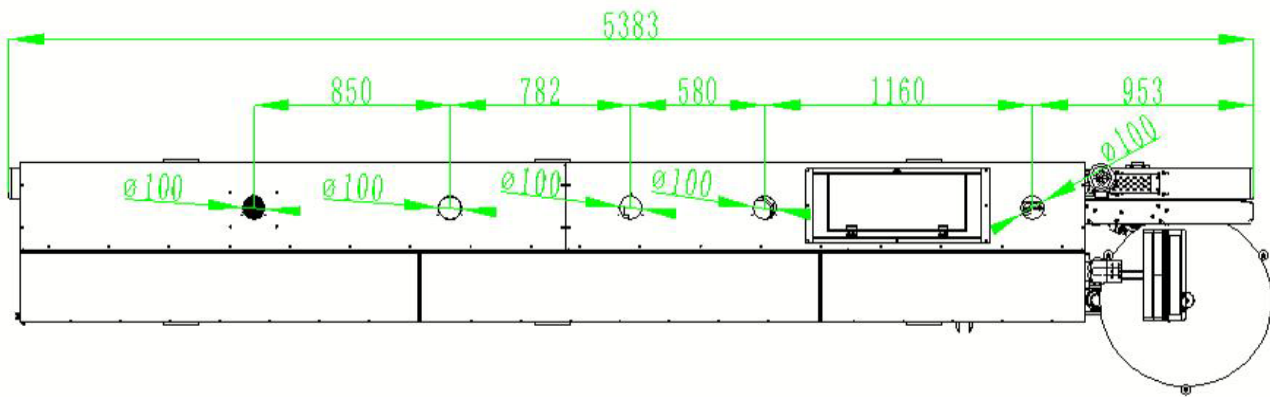
(Pic for reference only)

Edge Banding Process



Top view of equipment





Technical data

Lifting	Electric lifting
Feed Speed	14 / 20 / 23 m/min
Edge Band Thickness	0.4 - 3 mm
Board Thickness	10 - 60 mm
Min. Board Length	≥ 120 mm
Min. Board Width	≥ 80 mm
Working Air Pressure	0.6 MPa
Min. Board Size	120x60mm

Core highlight

- Full-enclosed frame, bed equip with high rigidity structural steel plate welded for high strength and stability, surface treated with anti-rust treatment and high temperature baking paint.
- Electric Lifting of pressure beam reduces labor intensity and increases efficiency and accuracy.
- 250mm lengthened feeding plate, flush with the guide plate, satisfy the requirement of long board sealing.
- Notch avoidance device, screen one-key quick change over.
- No tape alarm device, real-time detection of missing tape, effectively improve

efficiency and edging quality.

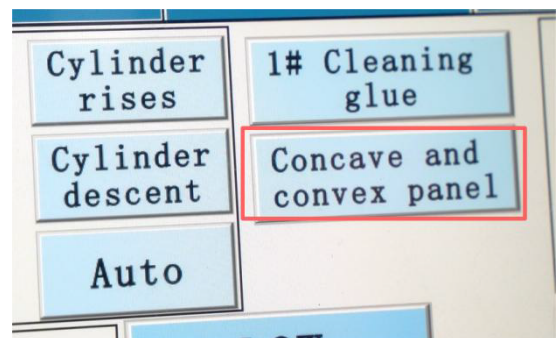
- Diamond pre-milling cutter + diamond trimming cutter, with 65mm premilling cutter.
- Trimming and scraping mechanism is available with readout, more convenient to adjust.
- Rocker type fluent strip.

Description

Notch edging process

Quick change over at the touch of a button;

It can satisfy both standard edging and notch edging process.



Control System

Real-time current and voltage display

Intelligent I/O monitoring

Inverter fault code display

Automatic edge counting

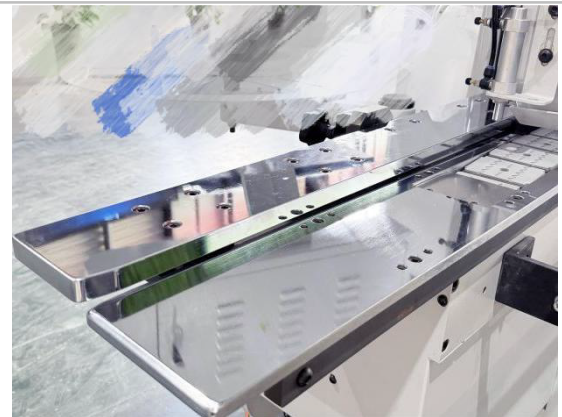
Smart inverter monitoring

User-friendly intelligent interface



Extended feeding plate

250mm longer feeding plate, flush with the guide plate, conveying long boards more accurately.



Releasing device

Separating function, solving the problem of hot melt glue contamination on the board surface after glue application.



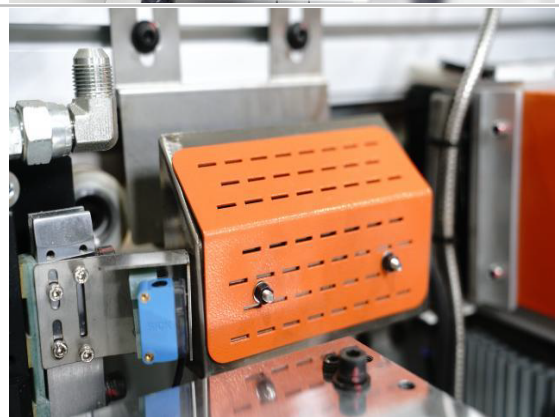
Pre-Milling

65mm premilling cutter,
(Maximum milling depth should be $\leq 1\text{mm}$)
Removes surface various defects from the panel edge to ensure optimal edge banding quality.



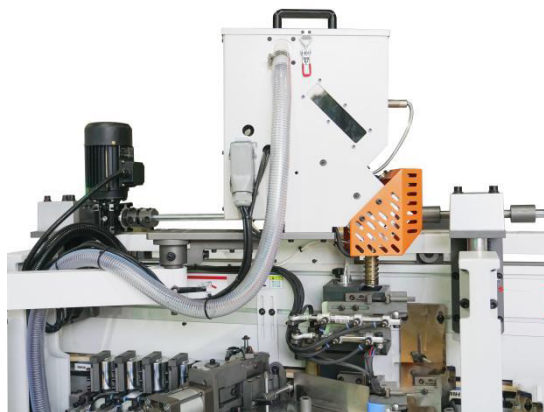
Panel Heating Unit

When the temperature is low, the heating unit warms the panel's gluing surface before glue application, ensuring a stronger bond and a more perfect edge sealing.



Gluing Unit: Fast-Melter + Upper Glue Pot+ Automatic Glue Granule Supply

The adhesive amount is well-controlled, with good thermal conductivity, stable operation, uniform coating, stronger adhesion, and a more perfect edge sealing effect.



No tape alarm device

When detecting the lack of tape, it will alarm and prompt on the upper screen to ensure that the edging quality will not be affected due to the lack of edging tape and improve the efficiency of work.



Pressing Unit

Each steel wheel is equipped with a glue scraper for quickly removing adhesive stuck to the pressing wheels; the silicone wheel ensures a stronger pressing effect.



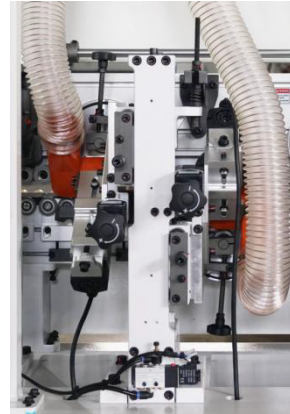
End cutting

Utilizes linear guide rails with sliders for high precision and durability. An automatic lubrication system extends equipment life. Pneumatic positioning enables accurate, stable trimming of short and thick panels.



Pneumatic Fine trimming

Rounds the excess edge tape on the top and bottom into an R-shaped arc, ensuring the edge is smooth and flush with the panel surface.



Corner rounding

The corner rounding (chamfering) makes the four corners of the panel round and beautiful.

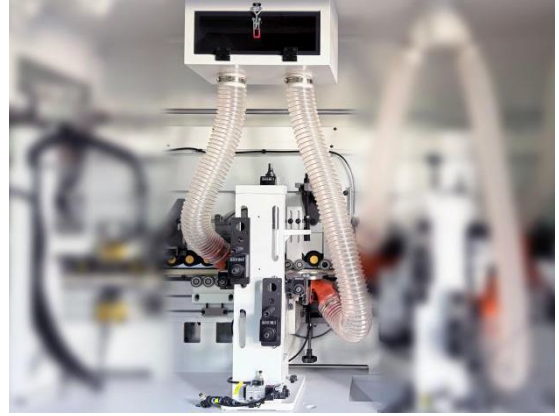


Different-shaped panels can be trimmed to fit



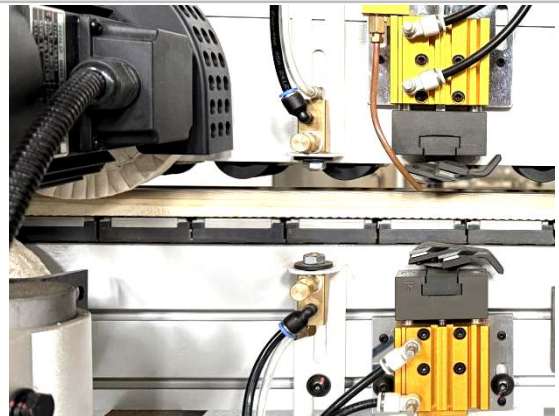
Pneumatic Scraping

Independent scraping and scraper separation box;
Pneumatic adjustment with quick change over of screen;
Eliminates cutter marks and refines the R-rounded corners left by fine trimming for a smooth final surface.



Flexible Flat Scraper + Cleaning Agent Device

Flexible Flat Scraper: Removes excess adhesive and impurities from the board surface, ensuring the workpiece is clean and aesthetically pleasing.
Cleaning Agent Device: Dilutes residual hot melt adhesive, making the board surface easier to clean.



Buffing

Removes glue marks and makes the edge band and panel surface for a smooth and clean finish.



Deceleration motor

stable operation.



Rocker type fluent strip

