

PET IV

AUTOMATIC EDGEBANDER

The new PET IV is packed with even more standard features others sell as upgrades!



PROEDGE
TECHNOLOGY

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Shown with optional return conveyor



PREMILL
STATION



GLUE
APPLICATION



STRIP FEED/
GUILLOTINE



4-ROLLER
PRESSURE



END TRIM
STATION



ROUGH TRIM
STATION



SUPER FINISH
STATION



2-MOTOR
CORNER
ROUND



3MM RADIUS
SCRAPER



FLAT SCRAPE
STATION



OSCILLATING
BUFFING

PET IV Automatic Edgebander

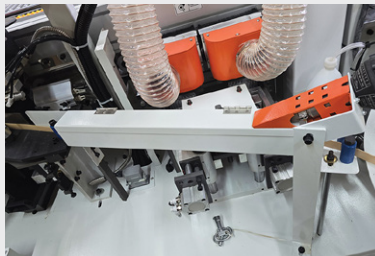
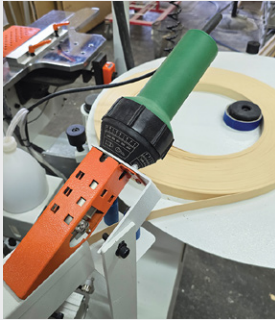
The new PET IV comes standard with features that are upgrades on our competitors' machines such as oscillating buffing and an innovative inverted quick-change glue pot that reduces burnt glue and mess and allows for color changes in ***under 5 minutes!*** From the premill to buffing, each station is independent for a more serviceable machine. The PET IV runs coil-type edgebanding as well as pre-cut edgebanding strips. From short to long production runs, our high quality finished product doesn't require touching up after exiting the machine.

- Equipped with SDT (Self Diagnostic Technology) to reduce the need for service visits
- Set of counter-rotating, diamond compression milling heads for sharp, clean edge
- Glue application controlled by pneumatic metering wiper and hardened application roller
- 4-roller pressure station with a self-cleaning razor scraper on each roller

*PET IV is backed by our
industry-leading
2-YEAR WARRANTY!*

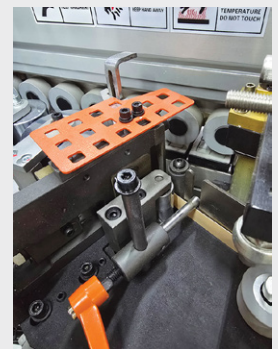
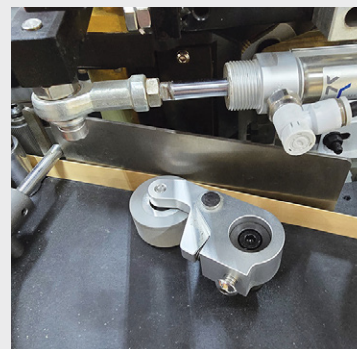


The PET IV is ideal for both the high production panel processing shop or the custom production shop.



PLC-controlled Tape Heater and Tunnel

- Thermostat and timer-controlled
- Hot Air Blower tunnel is on the tape feed guide for heating 1, 2, or 3 mm edgebanding
- Heat removes the “memory” of the roll and makes the edgebanding pliable
- This is a must for colder climates!



Tape Feed

- Spring loaded unidirectional roller for securing tape in place
- First tape height adjustment
- Second tape height adjustment directly at the panel's edge



10" Delta HMI Touchscreen

The operating system is not Windows based so it is not effected by the constant upgrades leaving you without software when the operating system becomes unavailable.



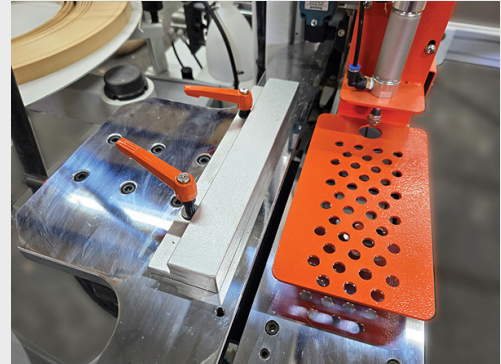
Misting Stations

- Release agent application on the panel's surface to prevent glue from sticking where it shouldn't
- Cleaning agent application to remove residual glue or dust for a clean finish



Edge Preparation

- Machined aluminum air jet bar for cleaning the edge of the panel prior to the glue application
- Quartz heater for edge of panel prior to glue being applied means a more stable glue application in all types of environments



NO-GO Bar

- PLC-controlled NO-GO bar prevents panels from running too close together, setting a proper pace for the operator
- Additional fence can be quickly installed allowing for 50mm and up to 100mm edges to be banded



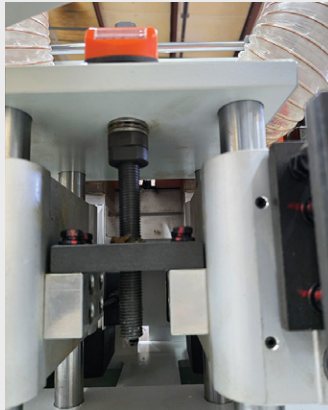
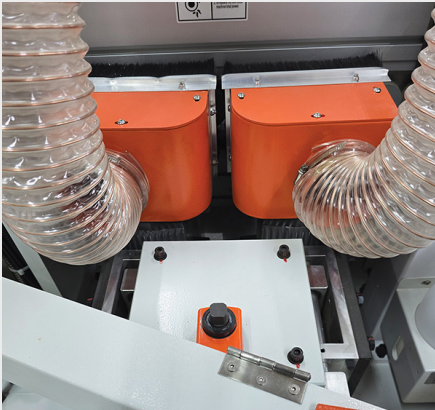
Quick Change Glue Pots

- This stand-alone unit features the 2nd and 3rd quick change glue pots for pre-heating and quick cleaning for color changes
- It uses electric and air so glue pots can be worked on, cleaned, and serviced independent of the machine
- Makes for extremely easy maintenance and quick color changes
- Hardened glue application roller and quick heat-up time ensures years of trouble-free service
- Allows for color changes in ***under 5 minutes***



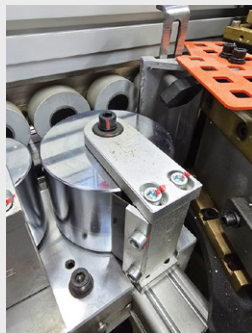
Glue Station

- Heavy-duty, non-stick coated glue pot comes with independent variable-speed drive to ensure a precisely metered glue application on the edge of the panel
- On a swivel for the quick change lower pots (no lower glue pot chamber to clean)



Premill Station

- Features two compression, diamond-tipped milling heads for removal of tooling marks from other processes or small chips along the edge caused by previous machining
- High frequency counter-rotating cutter heads run at a rate of 12,000 RPM with adjustable tracers and digital numerical positioning indicators
- Pneumatic plunge and retraction PLC-controlled machining operation
- Independent dust collection with dust ports located directly where the dust is removed from the milling heads
- Robust construction and heavy-duty guides
- Fine manual adjustments for each independent milling head



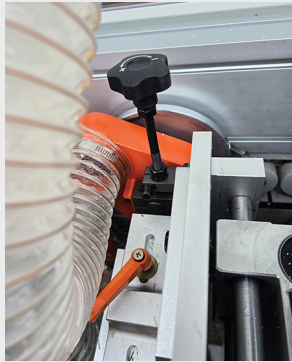
4-Roller Pressure Station

- First roller applies even pressure across the entire edge of the panel
- Second and third rollers are conically shaped to apply pressure on the top and bottom of applied edge
- Fourth roller reapplies even pressure across the entire panel edge
- Heavy-duty drive transmission ensures that the rotation speed of the first roller matches the feed speed of the machine
- Each roller supplied with **Self-Cleaning Razor Scraper**



End Trim Station

- Two independent high-frequency end trim motors are securely set with manual locking devices ensuring an accurate, vibration-free end trim
- High quality cut on both thin and thick edges of banding
- Rear end trim saw with a 0° to 7° bevel setting
- Precision linear prismatic bearing guides ensure a flawless end trim
- Ride on prismatic bearing guides providing one of the strongest and most secure end trim stations



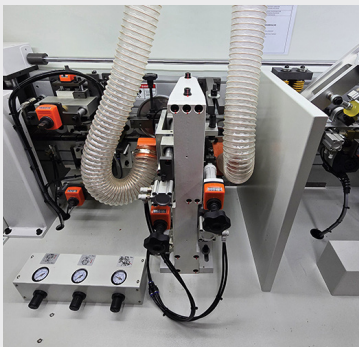
Top & Bottom Trimmers

- Top and Bottom trimmers with straight and profile diamond milling heads, each equipped with PQC (Pneumatic Quick Change) positioning
- Used as both Super Finish and Rough Trimming where no profile is required, selectable from HMI by the operator at the front of the machine
- This station is used in conjunction with the 1st station when a profile is needed
- **Heavy duty metal dust shrouds** on each milling head



Two-Motor Corner Rounding Station

- Two high-frequency motors with radius tooling are used for trimming straight, chamfered, bull-nosed and post formed panels
- The pendulum motion on the motors mills the panel edges with tracing wheel adjustments
- Pneumatic edge adjustment with easy-to-understand position diagrams for each regulator
- The corner rounding station operates at 12 and 16 m/min



Radius Top & Bottom Profile Scraper Station

- Radius top and bottom profile scraper station
- Equipped with PQC
- Heavy-duty metal dust collection shrouds directly at the point of scrape
- PLC-controlled "Ribbon Puller" to ensure no radius scraper ribbons travel past this point, preventing potential issues wrapping around the buffers or mis-firing photo eyes farther down the line



Top & Bottom Flat Scrape Station

- The Flat Scraper station is used to remove any residual glue left on the panel caused by squeeze-out
- Uses standard carbide insert cutters
- Easy micro fine adjustments with digital read outs
- The flat scraper provides a clean joint on both sides of the panel surface
- This station is equipped with an air blow-off system for added cleaning to the top and bottom edge of the board



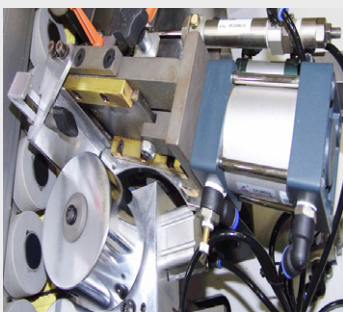
Motorized Adjustable Pressure Beam

- Motorized adjustable pressure beam with digital read outs
- Offers optimal pressure for different materials
- Consistent pressure is maintained through the entire application
- Increases efficiency for faster, easier setup and changeover
- Having precise pressure minimizes defects like loose edges or excessive glue squeeze out



Oscillating Buffing Station

- Two independent, heavy-duty 3-phase motors soften and polish the sharp edges on the panel
- The Buffing station has two fully adjustable universal mounts for easy adjustment
- Buffers can be used with either cloth or abrasive discs
- Oscillation of the buffer motors allows for even wear across the entire wheel for a better, more controlled finish on the edge



Guillotine

- Adjustable pneumatic-controlled Guillotine with an independent switch for cutting PVC tape, 3mm PVC tape, and all types of wood veneers and plastic laminates
- Heavy-duty hardened knife ensures a longer life of quality cuts

The **PET IV** automatic edgebander is designed with large clear viewing hoods equipped with safety switches to limit noise and to promote operator ease-of-use. All existing high frequency motors come standard with **Dynamic Brakes** for accelerated motor braking when the hoods are opened. And with the **Super Finish Station's** beveling capabilities and locking adjustments, it truly is a "set and forget" station, living up to its name, Super Finish.

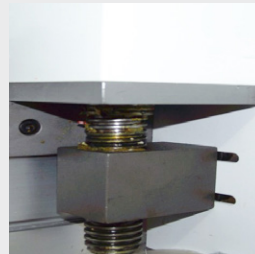
Additional Attributes of PET IV

Pro Edge Technology's PET IV Edgebander comes standard with many of our competitor's upgrades such as a complete dust extraction manifold and mounting hardware—just one 8" connection at the beginning of the machine is needed (1,400 CFM).



Automatic Lubrication System

Used to lubricate the main drive chain track pads and the linear bearings on the end trim station; adjustable timer controlled.



35mm Diameter Threaded Rods

Worm gear driven used for raising and lowering of pressure beam.



Delta PLC and VFD's

Available in the US market; and all other electrical components are nonproprietary and are available off-the-shelf!



Motorized Pressure Beam



40mm Polished Guide Rods

For alignment of pressure beam with digital display.

SPECIFICATIONS



PET IV

PANEL LENGTH (min)	100mm
PANEL WIDTH (min)	60mm
PANEL THICKNESS	10 - 60mm
EDGE BAND WIDTH	12 - 65mm
EDGE BAND THICKNESS	0.4 - 3mm
FEED SPEED (m/min)	12 / 16 / 20
INPUT VOLTAGE	220V / 3Ph / 60 AMP
MIN. AIR PRESSURE (bar/psi)	60 / 90
CHAIN DRIVE MOTOR (kW / hp)	3.7 / 5
L x W x H (mm)	7100 x 1000 x 1600
NET WEIGHT (kg / lb)	2500 / 5500
DUST COLLECTION (One port only)	200mm



Backed by our Industry Leading

★ 2 YEAR ★

Peace-of-Mind Warranty