



E450

Automatic edge bander with lower holt- melt glue pot (EVA), chain panel - feeding and pre-milling



Website



E450



YouTube

E450

Automatic edge bander with lower holt- melt glue pot (EVA), chain panel - feeding and pre-milling



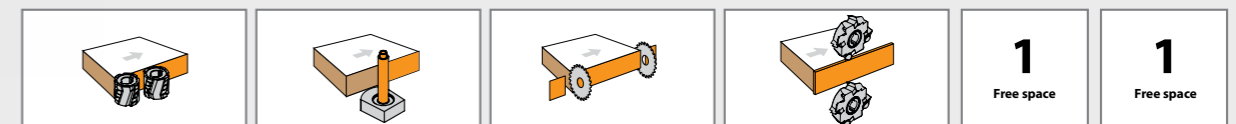
Professional finishing quality in only 2,30 metres length.

THINK COMPACT EDGE EASY

- Maximum finishing quality
 - ✓ Chain feeding system
 - ✓ Pre-milling
 - ✓ Interchangeable glueing unit Flex (opt.)
 - ✓ 2 spaces for finishing units
- High performance
 - ✓ 7 m/min feed speed
 - ✓ 45 mm panel height
 - ✓ 3 mm edge coils
 - ✓ 5 mm solid wood strips
- Minimum space occupied
 - ✓ 2,30 m
- Easy to use
 - ✓ Unit settings with a piece of edge
 - ✓ Easy and intuitive control



■ Pre-milling unit with 2 HF motors and 2 diamond cutterblocks to obtain an invisible glueing line



Standard

Standard

E450

TOUCHME

Work Set ups

ERGONOMICS, PRECISION AND RELIABILITY

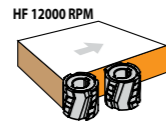
THINK COMPACT EDGE EASY



4" STD.

Touchscreen control Easy to use, Intuitive and Immediate

- 4" Colour display
- Possibility of processing with storable programs
- Impossible to go wrong; the graphic visualizes directly the result of the process on the edged panel
- Just one click to select the processing you want



Feeding fence

PRACTICALITY AND PRECISION

- Feeding fence with micrometric adjustment and numerical dial for the measurement of the removal
- Variable milling up to 2 mm max with 8 - 50 mm panel height

Pre-milling

INVISIBLE GLUEING LINE

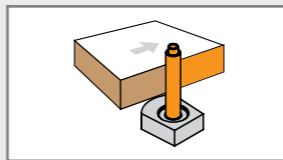
- DIAMOND tools $\varnothing = 60$ mm H = 54 mm
- HF motors 200 Hz - 12.000 rpm - 0.75 kW (each)
- Dedicated suction system and blower for panel cleaning before glueing



Glueing unit

PERFECT GLUEING, QUICK AND PRACTICAL SET-UPS

- 6 heating elements to guarantee uniform glue temperature.
- Motorized glue spreading roller with an internal electrical heating element.
- Teflon-coated glue pot to permit complete and rapid cleaning.



Pneumatic shear, pressure rollers, edge feeding system



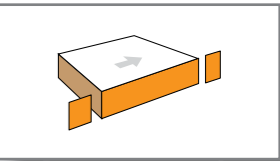
DETAILS THAT MAKE THE DIFFERENCE

- Edge feeding synchronized with panel being processed
- Oscillatory movement of the cutting shear unit to guarantee perfect glueing
- Quick and precise positioning of the pressure rollers. The system "reads" the edge thickness, making mistakes impossible!



End Trimming unit

PERFORMANCE AND VERSATILITY

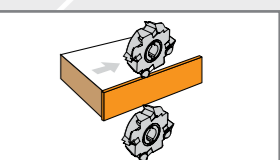


- 2 blades for perfect front/rear end trimming on all types of edges.
- Operating cycle controlled by PLC.
- Blade rotation speed - 11.000 rpm
- Integrated suction system.



Flush Trimming units (Std.)

THREE PROCESSES



- Rapid changeovers working between radius milling, thin and solid edges.
- The system "reads" the edge thickness, making mistakes impossible!
- 2 HF motors 200 Hz - 12,000 rpm - 0.37 kW

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TOUCHME

Work Set ups

ERGONOMICS, PRECISION AND RELIABILITY



7" OPT.

Touchscreen control Easy to use, Intuitive and Immediate

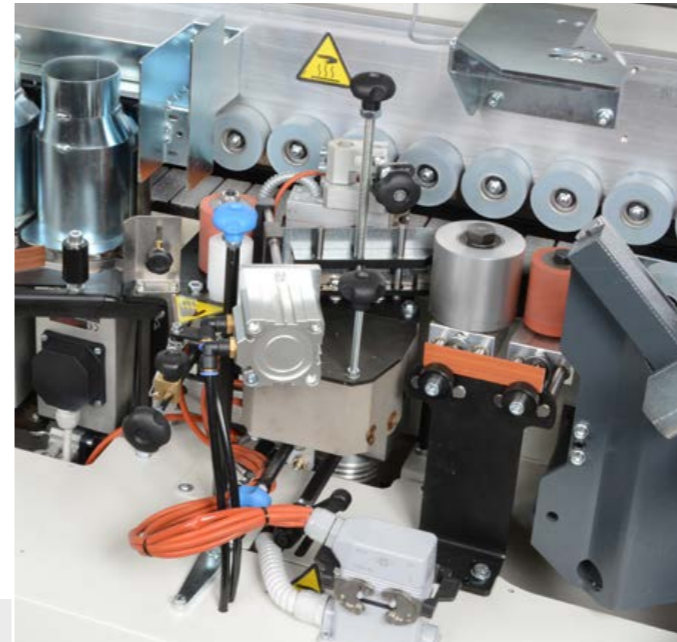
- 7" Colour display Opt.
- Possibility of processing with storable programs
- Impossible to go wrong; the graphic visualizes directly the result of the process on the edged panel
- Just one click to select the processing you want

THINK COMPACT EDGE EASY

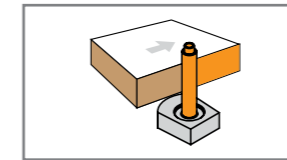


Interchangeable lower glueing unit "Flex"

MAXIMUM FLEXIBILITY



- Quick release device for fast and easy replacement of the glue pot
- Interchangeable lower glueing pot Teflon-coated to permit complete and rapid cleaning
- Glue pot capacity 1 kg
- Thermal regulation settable on two different temperatures based on the type of glue used
- Automatic standby during the work breaks

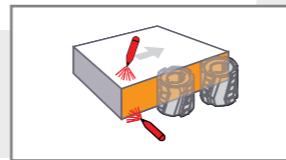


Anti-adherence / release agent spraying unit



INSTANT PERFECT CLEANING

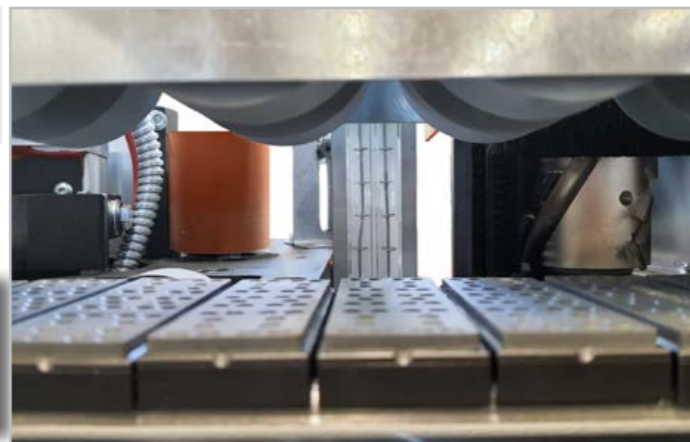
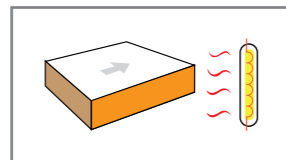
- Spray function controlled by PLC
- 2 sprayers (lower and upper) and liquid tank



Infrared lamp

TO GUARANTEE THE BEST GLUEING CONDITIONS

- Creates the best conditions for perfect glueing.
- Heats panels and removes all traces of dampness.



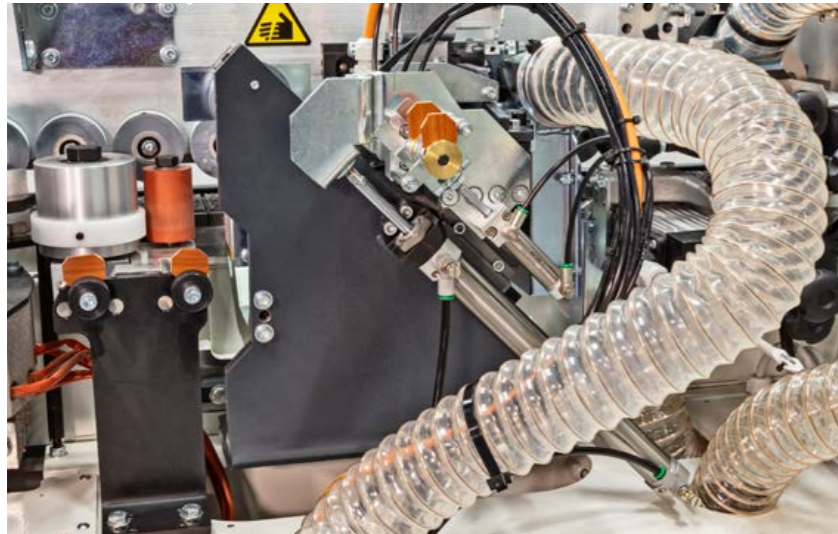
Internal LED light

ALL UNITS UNDER CONTROL

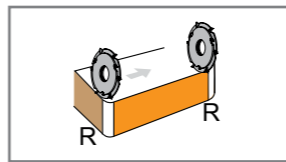
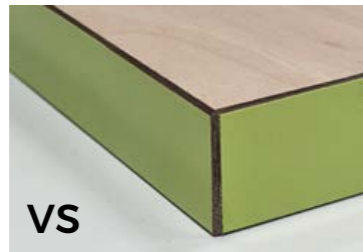
- The internal led light on the units allows to make adjustments in safety, even with bad outside lighting



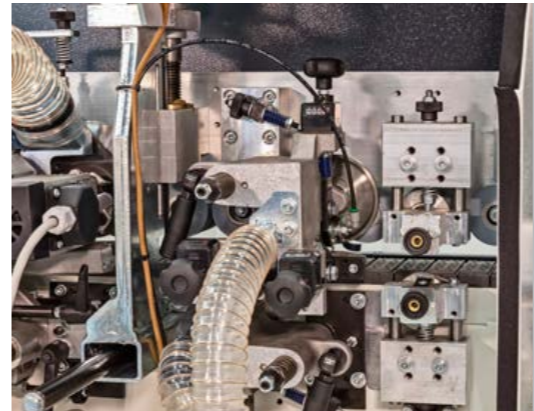
VR1 or VS1 end trimming group with vertical rounding or bevel function



- **VR1** or **VS1** end trimming group to remove and mill edge excess on front/rear side of the panel
- **2 processing modes:**
 - **"VR1"** radius (ABS and PVC thick edges) straight (thin edges and wooden strips) - or
 - **"VS1"** bevel (thin edges) straight (thin edges and wooden strips)
- Unit managed by the electronic control with the possibility to specifically choose the processing mode for the front and the rear of the panel
- High frequency motor 0,22kW - 12.000 rpm
- Integrated dust extraction system that includes the la extractor hood of the wood chips and flexible hose for connection to the external port D=120mm

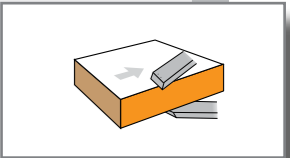


Glue Scraping unit



REMOVAL OF EXCESS GLUE

- Copier discs with automatic cleaning system.
- Two separate knobs which allow an easy positioning of the tool and a fast exclusion of the unit.

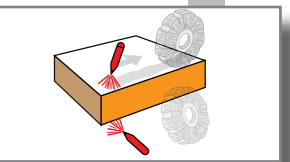


Cleaning spray agent unit

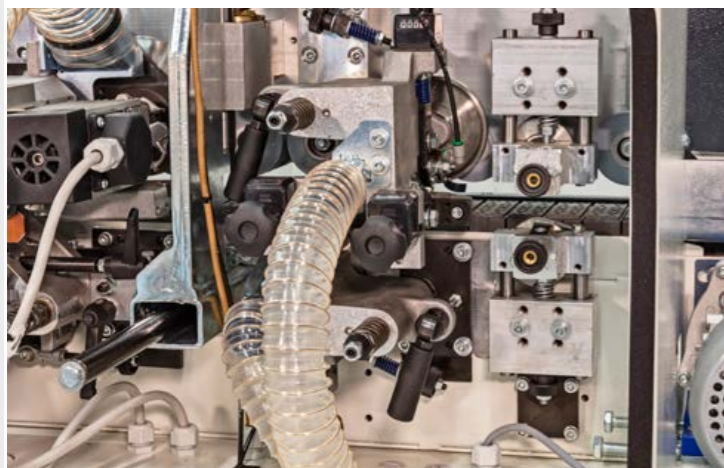


MIRROR FINISHING

- Spray function controlled by PLC.
- 2 sprayers (lower and upper) and liquid tank.

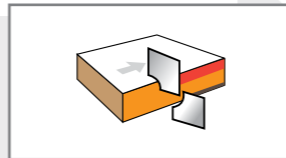


Edge scraping unit



PERFECT PLASTIC EDGES EVEN IN BACKLIGHT

- Blowers for detachment and removal of shavings.
- Dust extraction system complete with box to separate and collect edge scraping shavings.

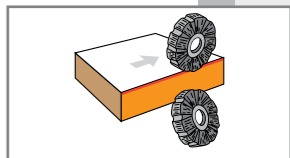


Buffing unit



BRIGHT AND SHINY EDGES

- Uniform colouring even on processed edges.
- Panel cleaning
- 2 independent motors rotate at 1.400 rpm.
- 2 brushes diameter 120 mm





Technical features

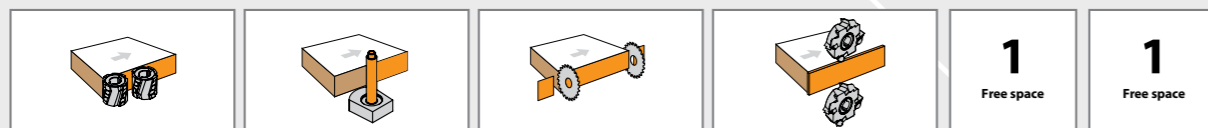
| | |
|--|---|
| Min./max. panel height | min 8 - max 45 mm |
| Min./max. edge thickness | 0,4 - 3 mm (coils) / 0,4 - 5 mm (solid wood)* |
| Minimum panel width | 95 mm |
| Minimum panel length (side being processed) | 210 mm |
| Panel feed speed | 7 m/min |
| Pre-milling motors (each) | 200 Hz - 12.000 rpm - 0,75 kW |
| Glue pot heating element | 1490 W - Nr. 6 cartridges |
| No. 2 pre milling motors in high-frequency | 2 x 0,75 kW - 200 Hz |
| Rotation speed pre-milling tool | 12.000 rpm |
| End trimming blade rotation speed | 11.000 rpm |
| Rotation speed of the end trimming blade VR1/VS1 | 12.000 rpm |
| End trimming motor | 50 Hz - 0,18 kW |
| End trimming motor VR1/VS1 | 200 Hz - 12.000 rpm - 0,22 kW |
| Flush trimming motors (each) | 200 Hz - 12.000 rpm - 0,22 kW |
| Cutterblocks with combined WIDIA disposable Knives (radius/bevelled) | Ø 75 mm Z4 - hole Ø 16 mm |
| Total power installed | 5 kW approx. |

* the maximum thickness of the solid wood depends on wood hardness

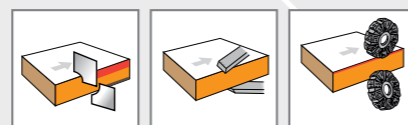
Compositions

THINK COMPACT EDGE EASY

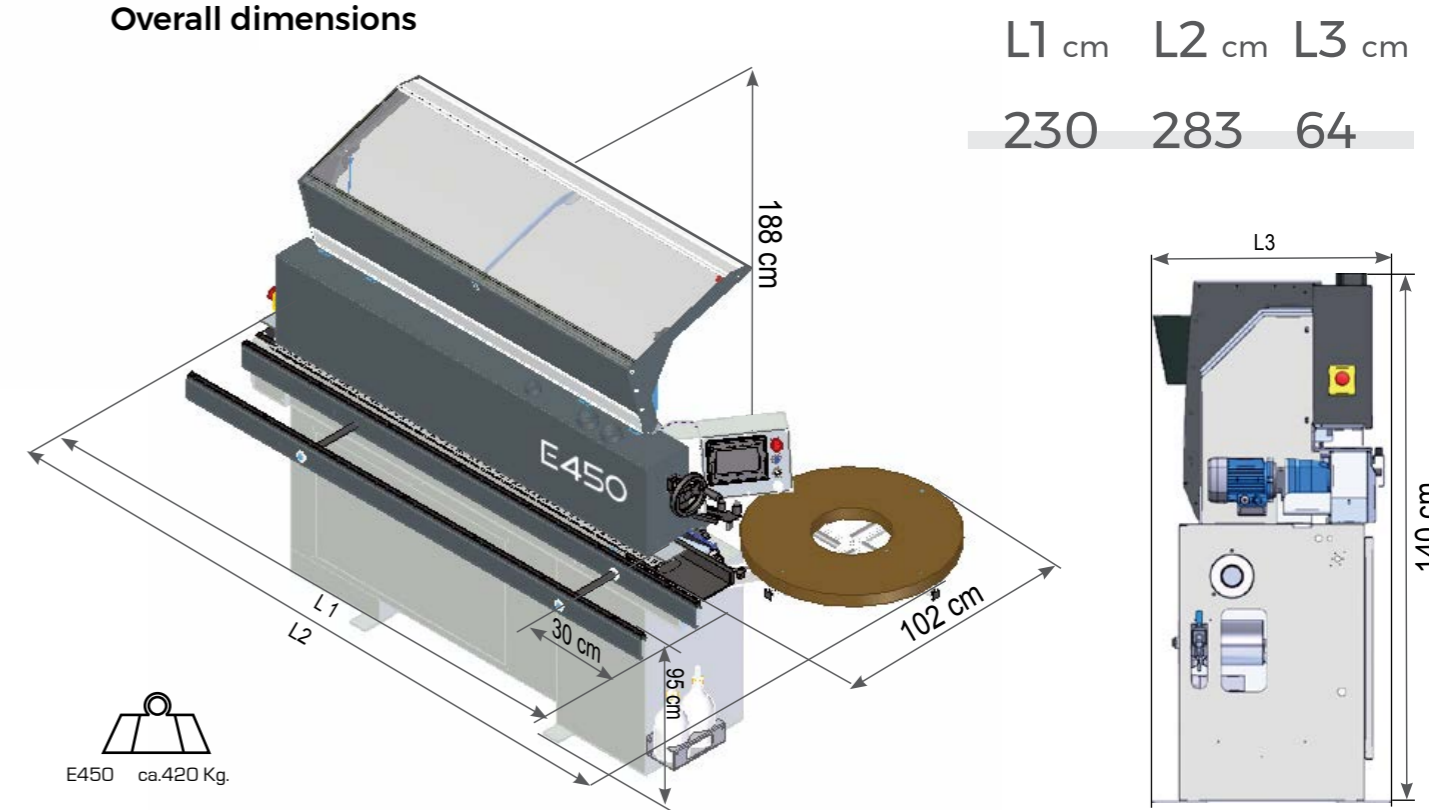
■ E450



■ Optionals for free spaces (on the machine there are 2 free spaces for the installation of the following optional groups)



Overall dimensions



| | | |
|-------|-------|-------|
| L1 cm | L2 cm | L3 cm |
| 230 | 283 | 64 |

We reserve the right to make technical modifications. The machines illustrated may include fittings and accessories not included on standard machine versions. For photographic purposes, some units are shown without protections. Machines must however always be used with all protections fitted and operative.



THINK COMPACT EDGE EASY



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