



— ProWoodTech —



E450

E450 PM

E450 PMVR

Automatic Edgebander with chain feeding system

Professional finishing quality in only 2,30 metres length.

Maximum finishing quality

- ✓ Chain feeding system
- ✓ Pre-milling
- ✓ Interchangeable glueing unit Flex
- ✓ 2 spaces for finishing units

High performance

- ✓ 7 m/min feed speed
- ✓ 45 mm panel height
- ✓ 3 mm edge coils

Minimum space occupied

- ✓ 2,30 m

Easy to use

- ✓ unit settings with a piece of edge
- ✓ easy and intuitive use of machine



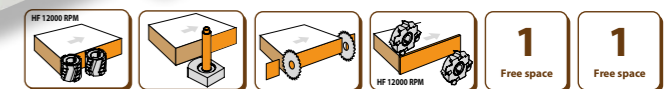
E450

- Chain feeding system
- Logic functioning controlled by PLC
- 2 free spaces for finishing units



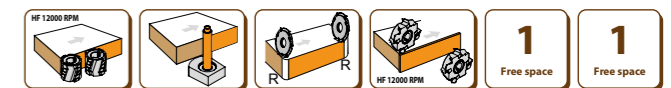
E450^{PM}

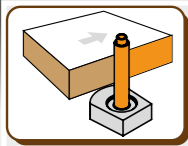
- Pre-milling unit with 2 diamond cutterblocks rotating in opposite directions to obtain an invisible glueing line



E450^{PMVR}

- VR End Trim unit with vertical rounding function (Opt)

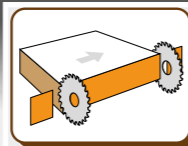




Glueing unit (Std.)

PERFECT GLUEING, QUICK AND PRACTICAL SET-UPS

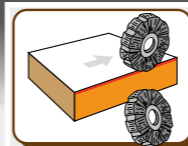
- 6 heating elements to guarantee uniform glue temperature.
- Motorized glue spreading roller with an internal electrical heating element.
- Teflon-coated glue pot to permit complete and rapid cleaning.



End Trimming unit (Std.)

PERFORMANCE AND VERSATILITY

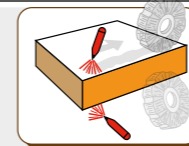
- 2 blades for perfect front/rear end trimming on all types of edges.
- Operating cycle controlled by PLC.
- Blade rotation speed - 12.000 rpm
- Integrated suction system.



Buffing unit (optional)

BRIGHT AND SHINY EDGES

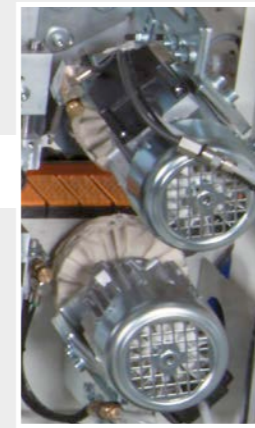
- Uniform colouring and finishing even on processed edges.
- 2 motors for buffing unit diameter 120 mm rotating at 1.400 rpm.



Polishing spray unit (optional)

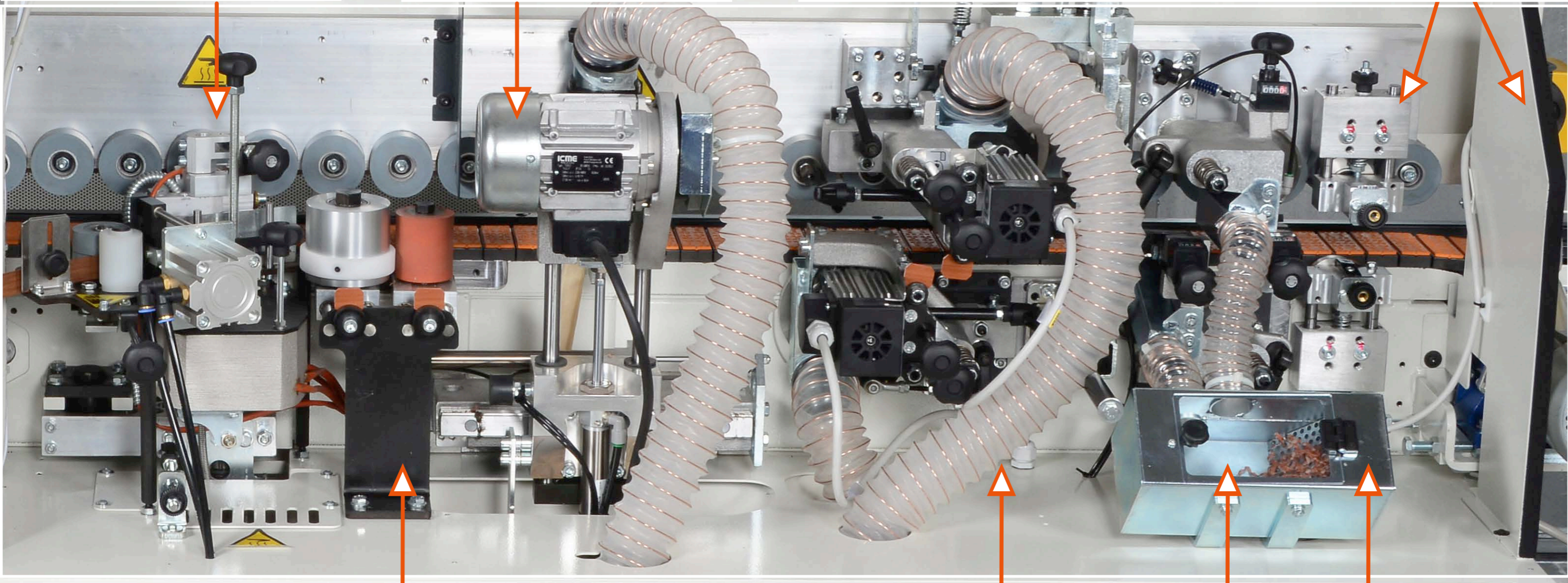
Polishing spray unit (opt.)

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



There are 2 free spaces for you to choose to equip the machine of 2 of the following optional finishing units:

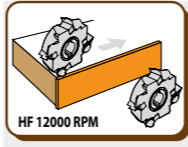
- Edge Scraping unit
- Edge Glueing unit
- Buffing unit



Pneumatic shear, pressure rollers, edge feeding system (Std.)

DETAILS THAT MAKE THE DIFFERENCE

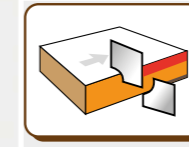
- Edge feeding synchronized with panel being processed
- Oscillatory movement of the cutting shear unit to guarantee perfect glueing
- Quick and precise positioning of the pressure rollers. The system "reads" the edge thickness, making mistakes impossible!



Flush Trimming units (Std.)

NO ADJUSTMENTS

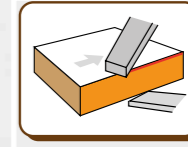
- The system "reads" the edge thickness, making mistakes impossible!
- Rapid changeovers working between radius milling, thin and solid edges.
- 2 HF motors 200 Hz - 12,000 rpm - 0.37 kW



Edge Scraping unit (optional)

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.



Glue Scraping unit (optional)

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.

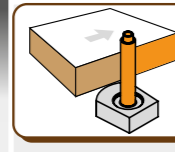
E450 PMVR



Pre-milling unit
(E450 PM- E450 PMVR version)
(Std.)

INVISIBLE GLUEING LINE

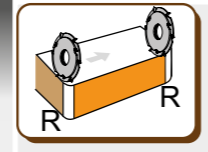
- DIAMOND tools
∅ = 60 mm H = 52 mm
- HF motors 200 Hz – 12.000 rpm – 0.75 kW (each)
- Dedicated suction system and blower for panel cleaning before glueing



Interchangeable glueing unit "Flex"
(opt.)

MAXIMUM FLEXIBILITY

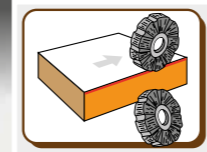
- Quick release device for fast and easy replacement of the glue pot
- Interchangeable glueing pot teflon-coated to permit complete and rapid cleaning
- Thermal regulation setttable on two different temperatures based on the type of glue used
- Automatic standby during the work breaks



End trimming unit VR (opt.)

TWO PROCESSES IN UNIQUE PASSAGE

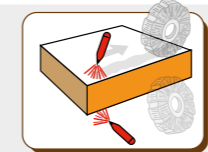
- VR End Trim unit with vertical rounding function (Opt)
- Vertically mills off front and rear excess edge of panel when being processed
- 2 processing modes:
- straight (thin edges and wooden strips)
- radius (ABS and PVC thick edges)



Buffing unit (opt.)

BRIGHT AND SHINY EDGES

- Uniform colouring and finishing even on processed edges.
- 2 motors for buffing unit diameter 120 mm rotating at 1.400 rpm.



Polishing spray unit (opt.)

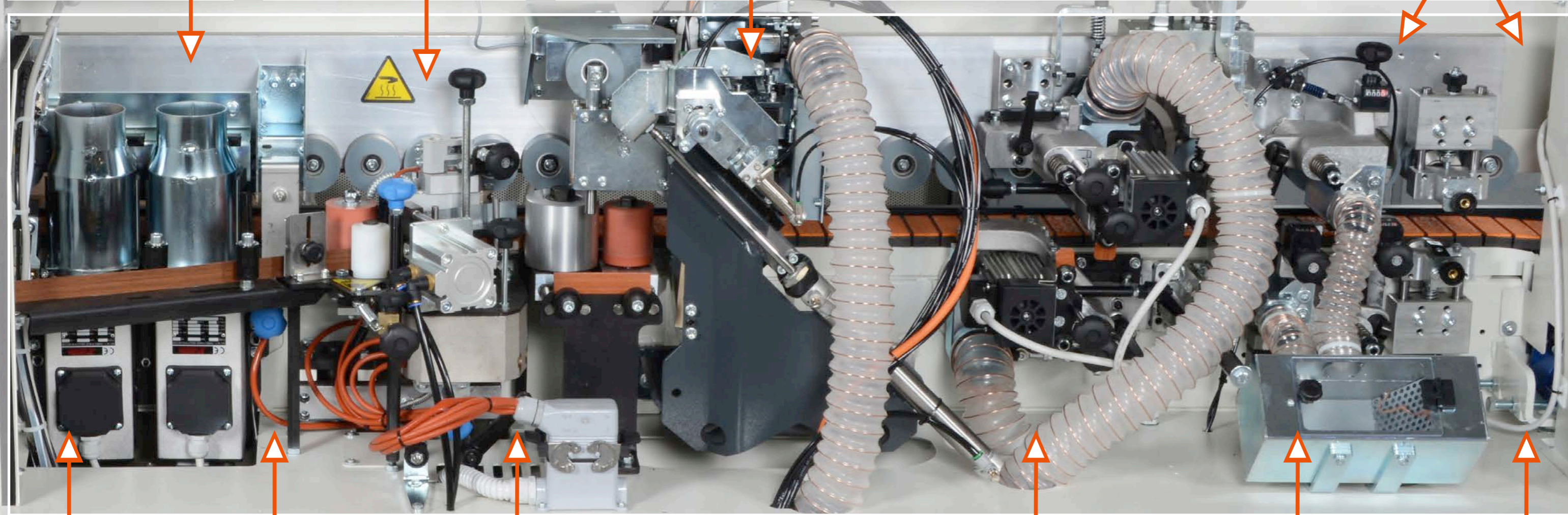
MIRROR FINISHING

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



Two free spaces available, so that machine can be equipped with two of the following finishing optionals:

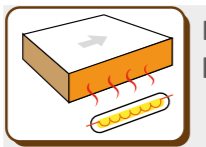
- Edge Scraping unit
- Edge Glueing unit
- Buffing unit



Anti-Adherence spraying unit (opt.)

INSTANT PERFECT CLEANING

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



Infrared lamp (optional)

TO GUARANTEE THE BEST GLUEING CONDITIONS

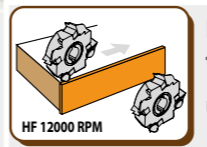
- Creates the best conditions for perfect glueing.
- Heats panels and removes all traces of dampness.



Pneumatic shear, pressure rollers, edge feeding system (Std.)

DETAILS THAT MAKE THE DIFFERENCE

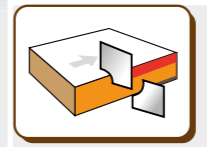
- Edge feeding synchronized with panel being processed
- Oscillatory movement of the cutting shear unit to guarantee perfect glueing
- Quick and precise positioning of the pressure rollers. The system "reads" the edge thickness, making mistakes impossible!



Flush Trimming units (Std.)

NO ADJUSTMENTS

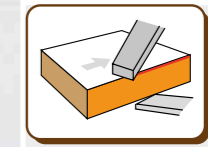
- The system "reads" the edge thickness, making mistakes impossible!
- Rapid changeovers working between radius milling, thin and solid edges.
- 2 HF motors 200 Hz – 12,000 rpm – 0.37 kW



Edge Scraping unit (optional)

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.



Glue Scraping unit (optional)

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.

Pre-Milling (E450PM and E450PMVR versions)



MAXIMUM FINISHING QUALITY

- 2 high frequency motors HF 2 x 0,75 Kw, 12.000/g/1'
- Diamond cutterblock \varnothing 60 h 49 mm with 2 extractor hood \varnothing 80 mm

PRATICAL AND PRECISION

- Inlet guide with micrometric adjustment complete of numeric decimal indicator for the measure of the mill
- Maximum milling adjustment 2mm with height panel 8-45 mm



VR End Trim unit with vertical rounding function (Opt)



TWO PROCESSES IN UNIQUE PASSAGE

- Cut and vertically mills of front and rear excess edge of panel when being processed
- 2 processing modes:
 - straight (thin edges and wooden strips)
 - radius (ABS and PVC thick edges)
- 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

Chain panel feeding



FOR INDUSTRIAL QUALITY EDGEBANDING

- Firm grip of panel guaranteed by special non-slip rubber on the pads.
- Linear feeding ensured by double sliding tracks with a special geometric profile accurately machined with precision to a hundredth of a millimetre.
- Long lasting monolithic frame fully processed only in one cycle on a CNC machining centre.



Interchangeable glueing unit "Flex" (opt.)



MAXIMUM FLEXIBILITY

- Interchangeable glueing pot Teflon-coated to permit complete and rapid cleaning
- Glue pot capacity 1 kg

- Quick release device for fast and easy replacement of the glue pot
- Thermal regulation settable on two different temperatures based on the type of glue used



Work Set ups

ERGONOMICS, PRECISION AND RELIABILITY



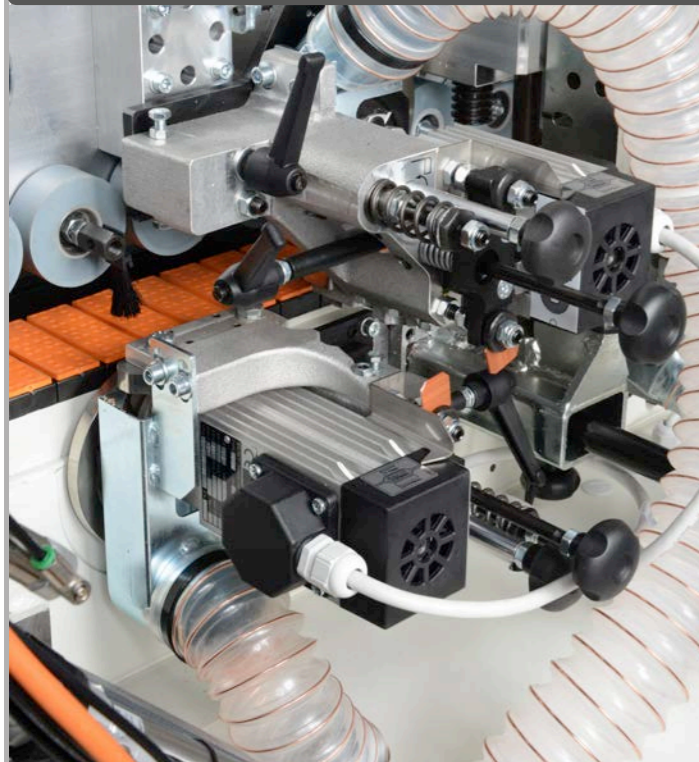
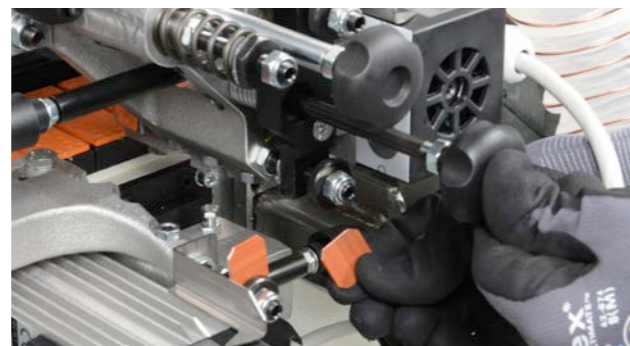
- The pressure bar, made from two rows of idle rubber rollers, is adjustable by a handwheel complete with a mechanical numerical indicator. The irreversible mechanism (selflocking) with conical gears, assures a precise and stable positioning.
- Handy pendant Control panel



Trimming units

NO ADJUSTMENT

- The system "reads" the thickness of the edge, Impossible to mistake!
- Quick changeover between milling operations radial, thin edge, solid wood.
- N. 2 motors HF 200 Hz. - 12.000 G/1' - 0,37 Kw



Internal LED light (opt.)

ALL UNITS UNDER CONTROL

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

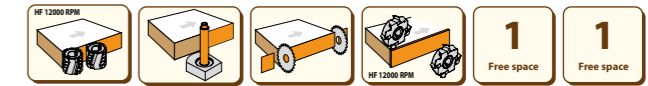


Compositions

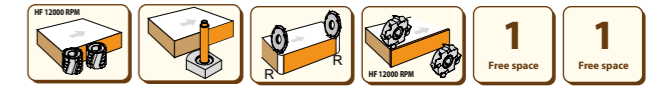
E450



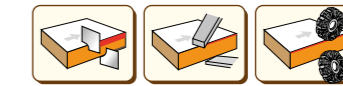
E450 PM



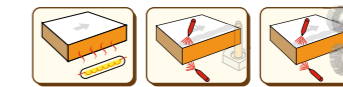
E450 PMVR



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



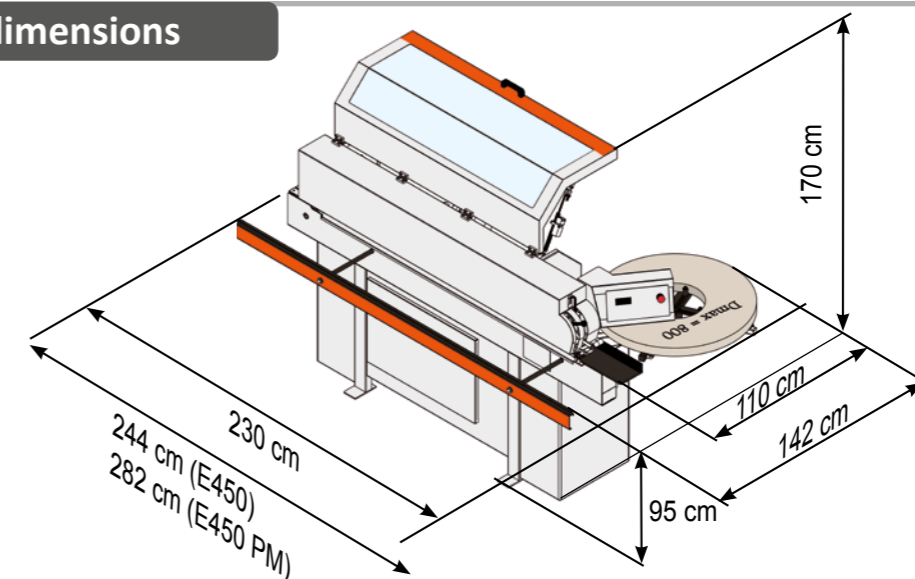
Options without occupying free spaces (The installation of the following optional units is always possible for any machine composition)



Technical features

Min./max. panel height	min 8 - max 45 mm
Min./max. edge thickness	0,4 - 3 mm (coils) / 0,4 - 5 mm (strips)
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 - 6 cartridges
End trimming blade rotation speed	9.000 rpm
End trimming motor	50 Hz - 0.18 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 (r=2 - 3 mm)
Total power installed	5 kW approx.
Weight	420 kg approx.

Overall dimensions





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TECHNOLOGY FOR

■ WOODWORKING (EDGE BANDERS)

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