

THINK COMPACT EDGE EASY

— ProWoodTech —



## E550 PM

Automatic edge bander with hot melt (EVA) or polyurethanic (PUR) glue pot upon request.  
Chain panel feeding and pre-milling

## E550 PMCR

Automatic edge bander with hot melt (EVA) or polyurethanic (PUR) glue pot upon request.  
Chain panel feeding, pre-milling and corner rounding unit



Website



E550



YouTube

# E550

Automatic edge bander with hot melt (EVA) or polyurethane (PUR) glue pot upon request.  
Chain panel feeding and pre-milling

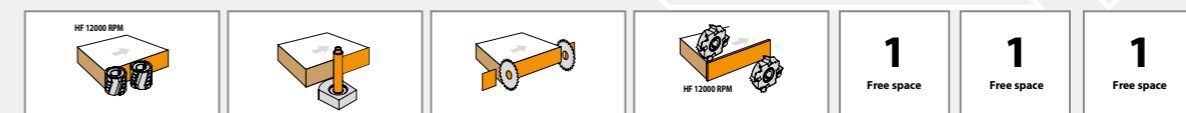


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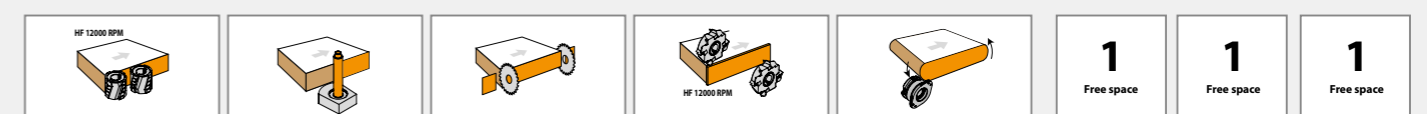


- Maximum finishing quality
  - ✓ Chain feeding system
  - ✓ Pre-milling
  - ✓ Gluing with polyurethane glue (Opt.)
  - ✓ Corner rounding unit (E550PMCR)
  - ✓ 3 free spaces for finishing units
- High performance
  - ✓ 9 m/min feed speed
  - ✓ 50 mm panel height
  - ✓ 3 mm edge coils
  - ✓ 5 mm solid wood strips
- Minimum space occupied
  - ✓ 3.2 m (PM version)
  - ✓ 3.7 m (PM CR version)
- Easy to use
  - ✓ Unit settings with a piece of edge
  - ✓ Easy and intuitive use of machine
  - ✓ Flush trimmers with multiprofile tool (thin-R1-R2- strips)

## E550 PM



## E550 PMCR



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Standard

TOUCHME

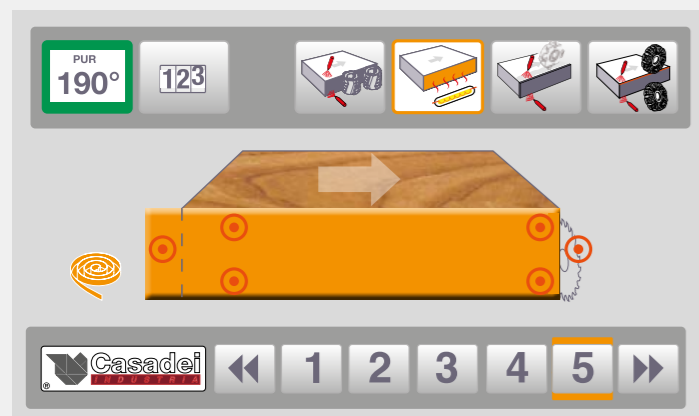
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Optionals



**Touchscreen control**  
Easy to use, Intuitive and Immediate

- 7" 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 choose the desired workmanship



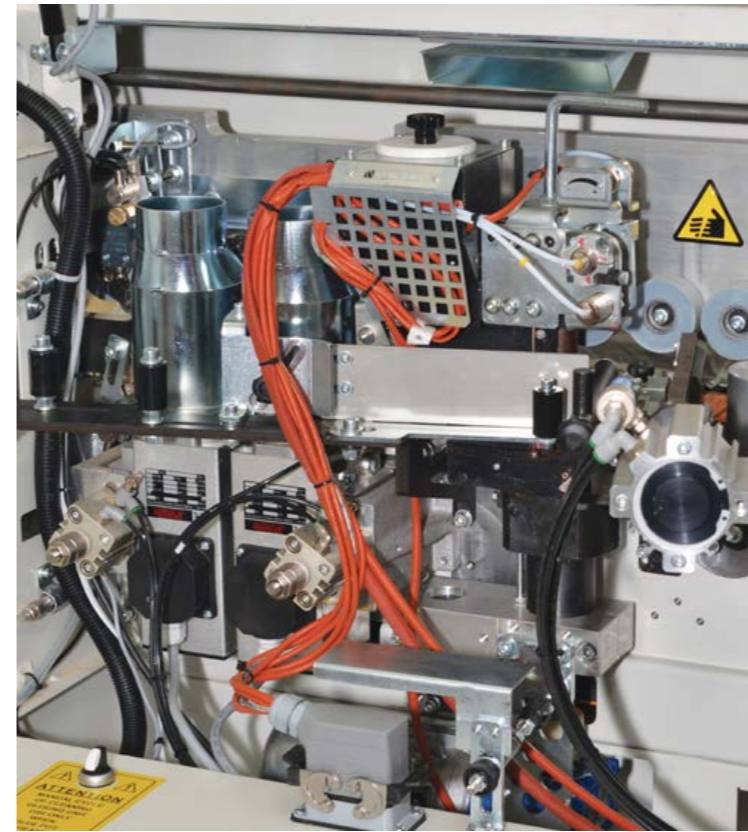
### Glueing unit PUR

Revolutionary glueing technology

“At last, perfect glueing for every level of investment”

- Water resistant at any temperature: hold and bonding of edge which cannot be obtained by any other traditional glueing systems.
- Invisible joints: finishing quality incomparable in regards to other traditional glueing systems

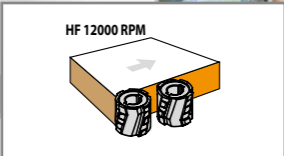
PUR



- Processing both with PUR and EVA glue
- With PUR glue it is possible to stop machine (up to 4 days) without having to effect any cleaning procedure.
- Automatic cleaning of glue spreader roller
- Glue roller with integrated heating uniform and constant glue temperature
- Granule manual loading (glue pot 0,5 Kg)
- Automatic glue drainage cycle. Equipped with a drip tank of the glue discharged during the drain cycle
- Upon request an additional interchangeable glue pot is available.







### Feeding fence

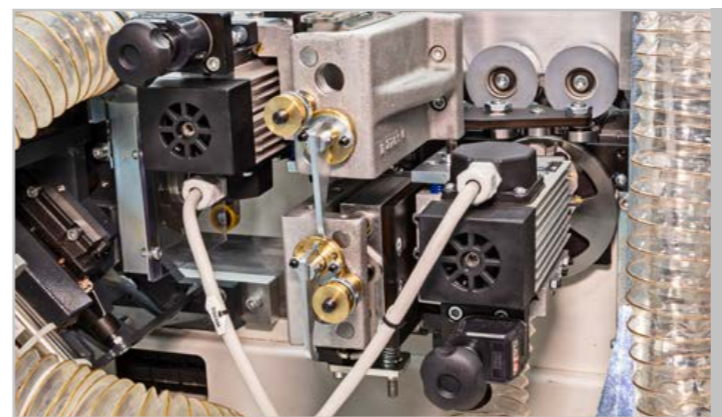
PRACTICALITY AND PRECISION

- Feeding fence with micrometric adjustment and numerical dial.
- Variable milling up to 2 mm max with 8 - 50 mm panel height

### Pre-milling

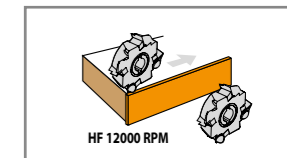
INVISIBLE GLUEING LINE

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

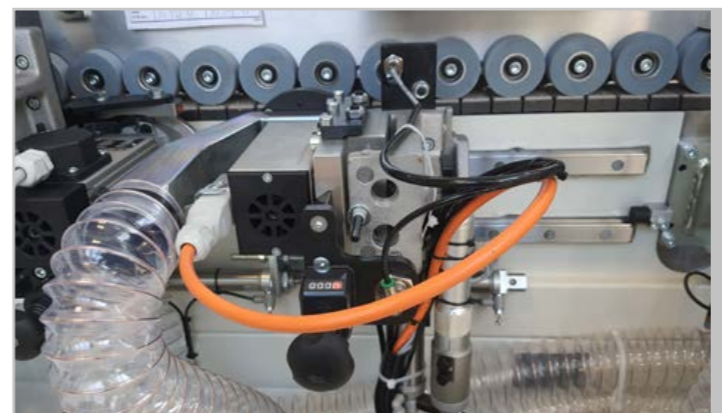


### Flush Trimming unit

FOUR PROCESSES

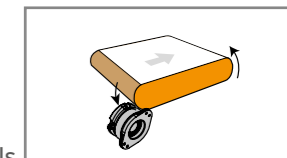


- Easy to change edge when processing Thin/Thickness 1 mm/ Thickness 2 mm/Soldi wood
- The system "reads" the edge thickness, making mistakes impossible!
- N. 2 motors HF 200 Hz - 12.000 RPM - 0,37 Kw



### Corner Rounding unit (E550 PMCR)

PERFECT FINISHING

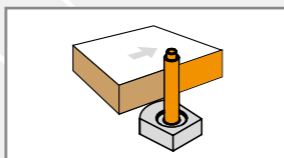


- Finishing of front and rear corners on straight, bevelled and postformed panels
- Diamond cutterblock
- Possibility to select from PLC the processed front, rear or complete panel



### Glueing unit

PERFECT GLUEING, QUICK AND PRACTICAL SET-UPS

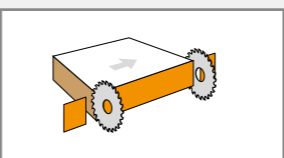


- 6 heating elements to guarantee uniform glue temperature.
- Motorized glue spreading roller with an internal electrical heating element.
- Teflon-coated glue pot to permit complete and rapid cleaning.

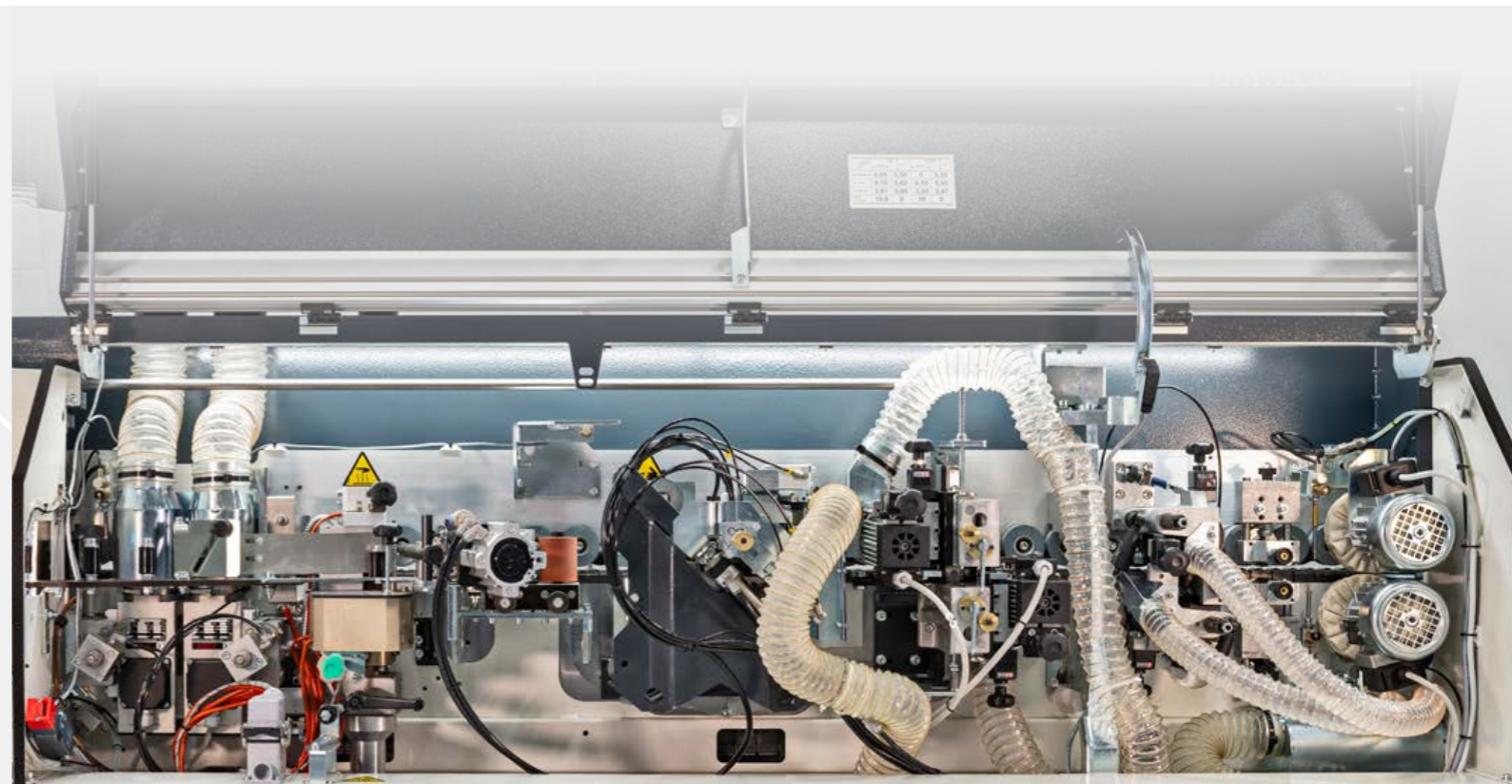


### End Trimming unit

PERFORMANCE AND VERSATILITY



- 2 blades for perfect front/rear end trimming on all types of edges
- Operating cycle controlled by PLC
- HF motor 200 Hz - 12.000 rpm - 0.22 kW
- Integrated suction system



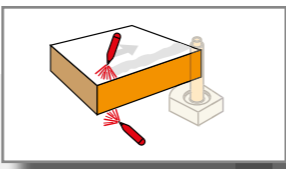


### Anti-adherence / release agent spraying unit



#### INSTANT PERFECT CLEANING

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

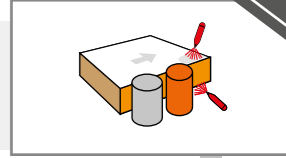


### Antistatic and Cooling Spray Unit



#### ALWAYS USE BEST WORKING CONDITIONS

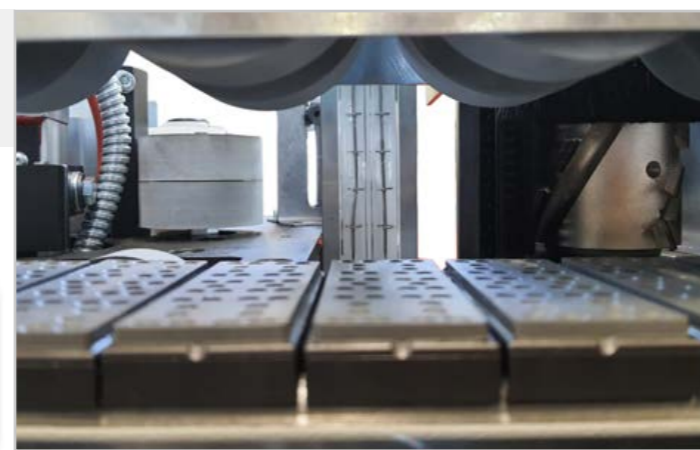
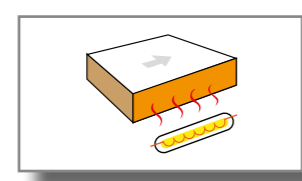
- Function of spray controller by PLC electrical
- N.2 sprayers (bottom and top) and liquid tank
- Suggested optional when the PUR gluing unit is foreseen
- Alternatively you can choose the slipping liquid for glossy and delicate panels and edges (High-gloss)



### Infrared lamp

#### TO GUARANTEE THE BEST GLUEING CONDITIONS

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



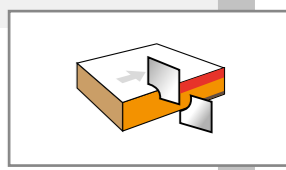
### Edge Scraper with optionals:

- Exclusion managed by Touchscreen control
- Pro Nesting (system for processing perforated panels)

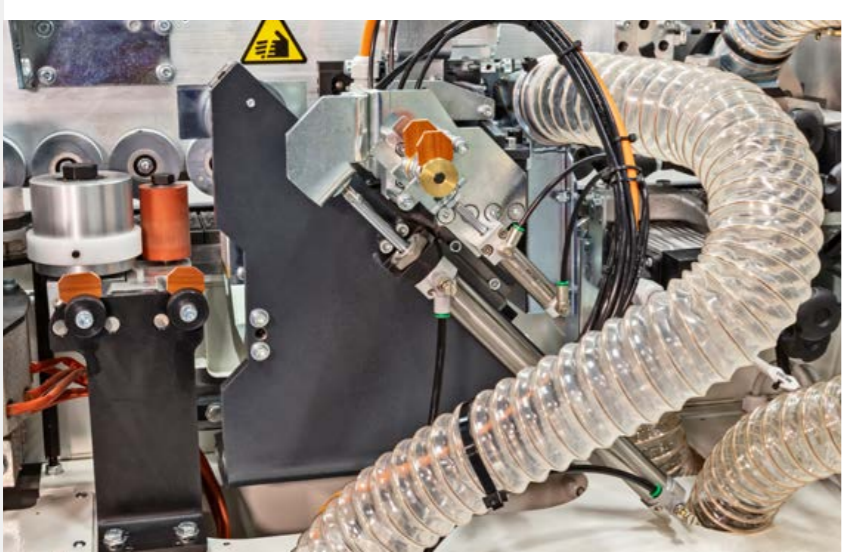


#### PERFECT PLASTIC EDGES EVEN IN BACKLIGHT

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



### VR or VS end trimming group with vertical rounding or bevel function



■ VR or VS end trimming group to remove and mill edge excess on front/rear side of the panel

#### 2 processing modes:

“VR” radius (ABS and PVC thick edges)  
straight (thin edges and wooden strips)  
- or

“VS” 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



VR



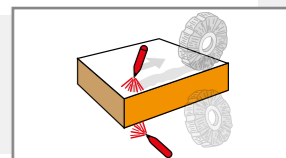
VS

### Cleaning spray agent unit



#### MIRROR FINISHING

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





# E550

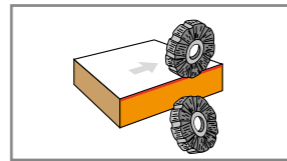


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## Buffing unit

### BRIGHT AND SHINY EDGES

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



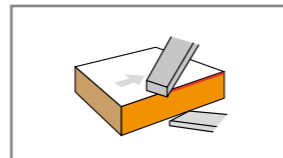
## Glue Scraper with optionals:

- Pneumatic exclusion managed by Touchscreen control
- Pro Nesting (system for processing perforated panels)

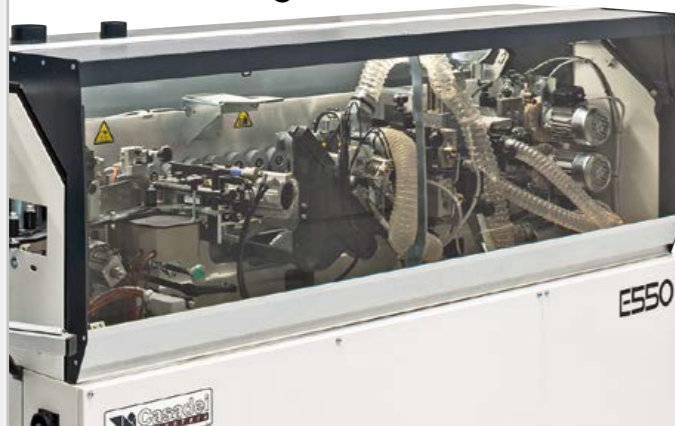


### REMOVAL OF EXCESS GLUE

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



## Internal LED light



### ALL UNITS UNDER CONTROL

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

## Extra panel supporting roller conveyor.

- Improves the processing of large panels.



E550PM L 2594mm  
E550PMCR L 3080mm

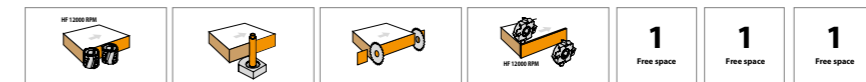
## Technical features

Min./max. panel height	min 8 - max 50 mm
Min./max. edge thickness	0,4 - 3 mm (coils) / 0,4 - 5 mm (strips)*
Panel width	min. 70 mm
Panel length (Side being processed) with standard End trimming unit	min. 110 mm
Minimum panel length (processed side) with VR   VS End trimming device	
Panel height h=18 mm	180 mm
Panel height h= 50 mm	210 mm
Panel feed speed	9 mt/1'
Pre-milling motors (each)	200 Hz - 12.000 rpm - 0.75 kW
Glue pot heating element	1315 W - 6 cartridges
End trimming motor	200 Hz - 12.000 rpm - 0.22 kW
Flush trimming motors (each)	200 Hz - 12.000 rpm - 0.37 kW
Cutterblocks with combined WIDIA disposable Knives (radius/bevelled)	Ø 75 mm Z4 - hole Ø 16 mm
Total power installed	5 kW approx.
Weight E550PM	520 Kg approx.
Weight E550PMCR	625 Kg approx.

\* the maximum thickness of the strip depends on wood hardness

## Compositions

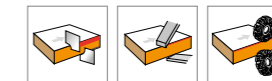
E550 PM



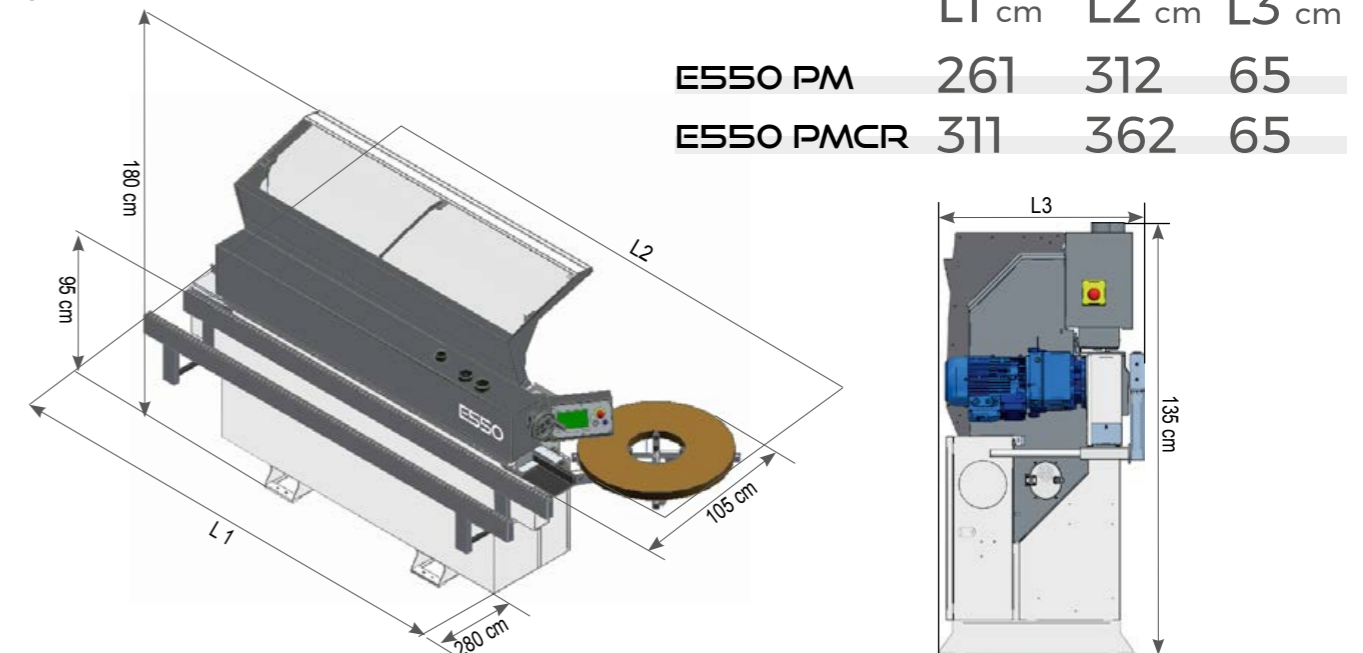
E550 PMCR



- Options for free spaces



## Overall dimensions





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