



**E550**

**E550 CR**

**E550 PM**

**E550 PM CR**

Automatic Edgebander with chain feeding system

Maximum finishing quality

- ✓ Chain feeding system
- ✓ Pre-milling
- ✓ Corner rounding unit
- ✓ 3 free spaces for finishing units

High performance

- ✓ 9 m/min feed speed
- ✓ 50 mm panel height
- ✓ 3 mm edge coils
- ✓ 110 mm minimum panel length

Minimum space occupied

- ✓ 3.2 m PM version
- ✓ 3.7 m PM CR version

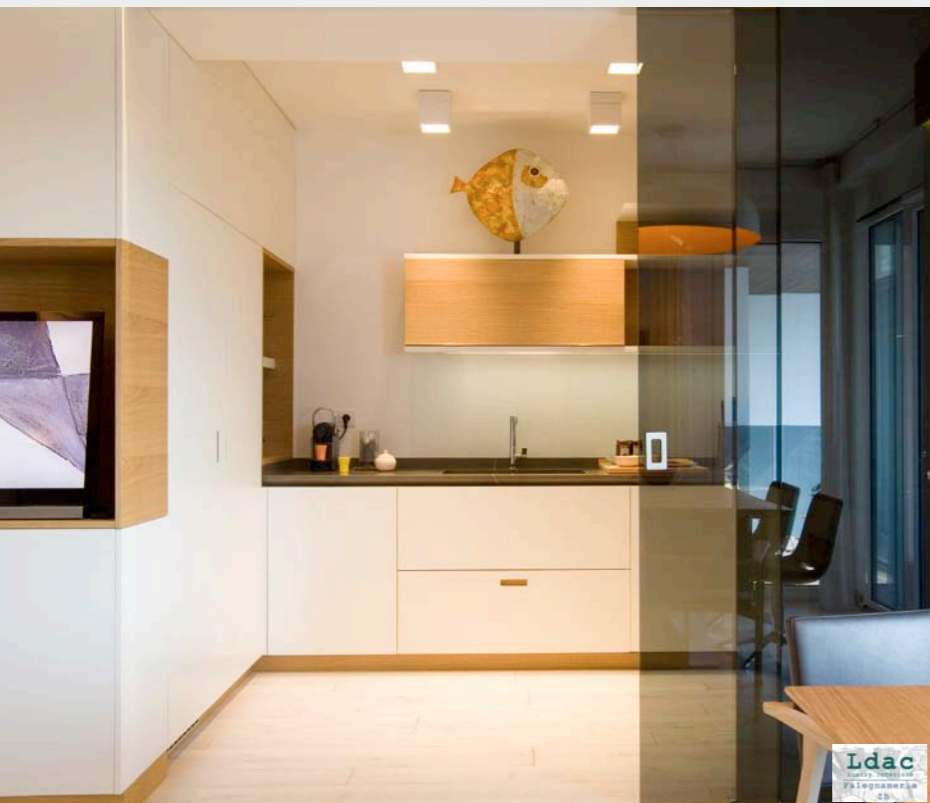
Easy to use

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

## PURE Glueing unit (opt.)

### Revolutionary glueing technology

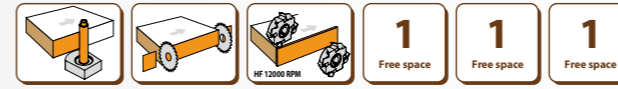
“At last, perfect glueing for every level of investment”



- ✓ The unit can work both with PUR or EVA glue, no cleaning is required even if machine does not work for a few days.
- ✓ Manual loading with hot melt adhesive granules or automatically with cartridges by using a melter.
- ✓ Easy and quick glue changing thanks to the emptying and cleaning cycle of the glue pot. An extra interchangeable glue pot is available, upon request.
- ✓ Finishing, bonding and sealing of edge incomparable respect to traditional glueing systems.

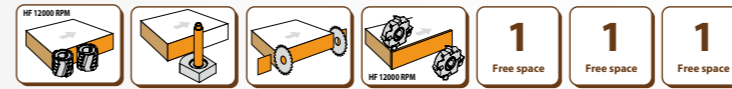
## ESSO

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



## ESSO PM

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



## ESSO CR

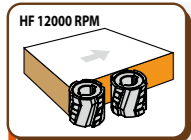
- Corner rounding unit to finish panel corners with straight, bevelled and shaped edges



## ESSO PM CR

- The most complete solution for companies who want top quality processing on all types of panels.

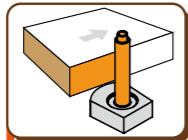




### Pre-milling unit

INVISIBLE GLUEING LINE

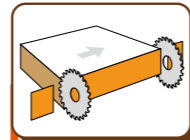
- DIAMOND tools  
Ø = 60 mm H = 52 mm
- HF motors 200 Hz  
– 12.000 rpm  
– 0.75 kW (each)
- Dedicated suction system and blower for panel cleaning before glueing



### Glueing unit

PERFECT GLUEING, QUICK AND PRACTICAL SET-UPS

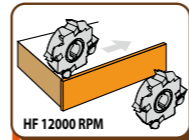
- 6 heating elements to guarantee uniform glue temperature
- Motorized glue spreading roller with an internal electrical heating element
- Teflon-coated glue pot to permit complete and rapid cleaning



### End Trimming unit

PERFORMANCE AND VERSATILITY

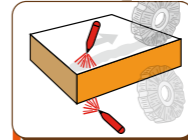
- 2 blades for perfect front/rear end trimming on all types of edges
- Operating cycle controlled by PLC
- HF motor 200 Hz  
– 12.000 rpm – 0.22 kW
- Integrated suction system



### Flush Trimming units

NO ADJUSTMENTS

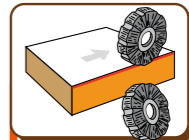
- The system “reads” the edge thickness, making mistakes impossible!
- Rapid changeovers working between radius milling, thin and solid edges.
- 2 HF motors 200 Hz  
– 12,000 rpm – 0.37 kW



### Polishing spray unit (optional)

MIRROR FINISHING

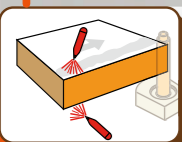
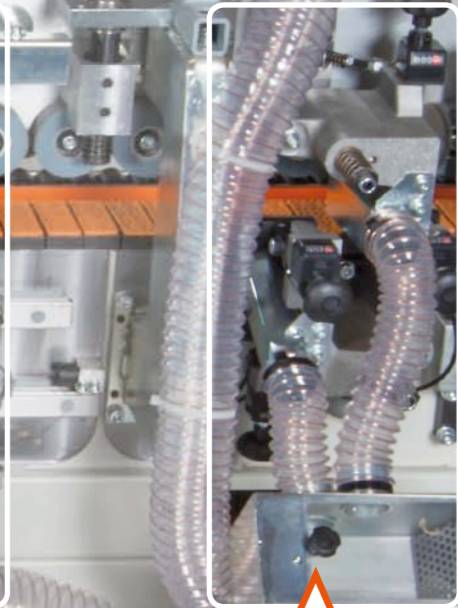
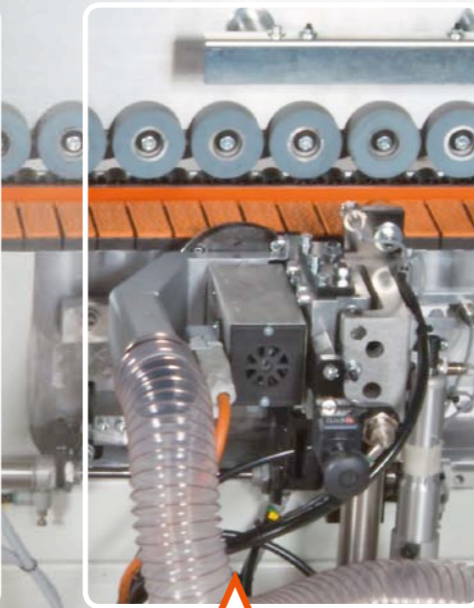
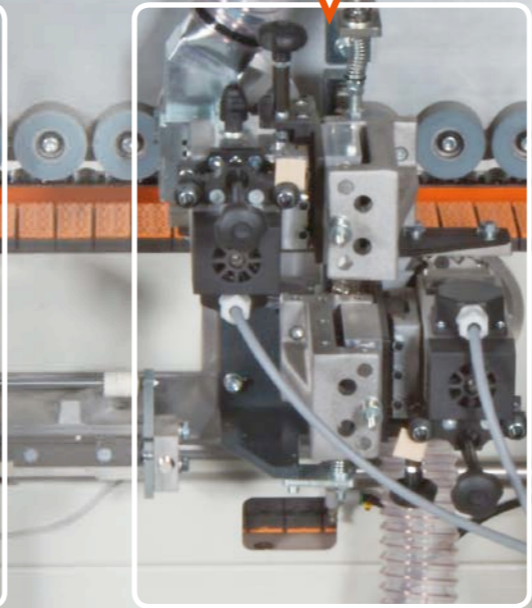
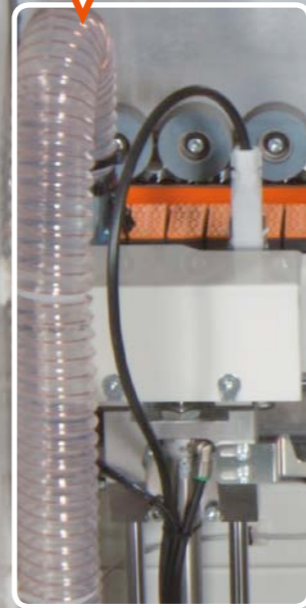
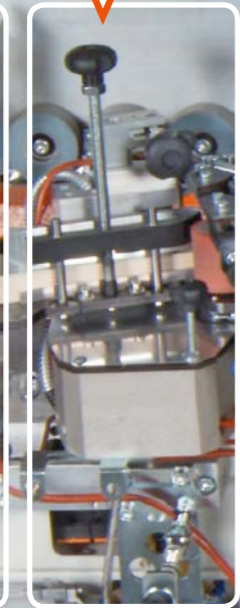
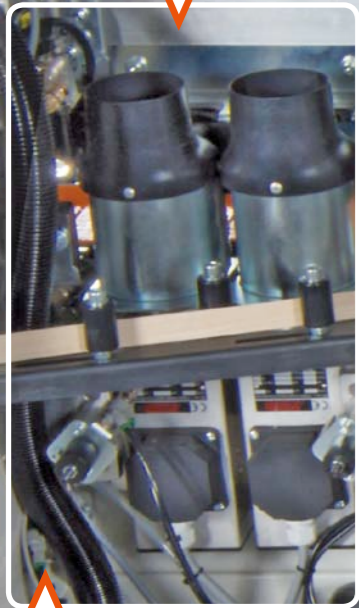
- Spray function controlled by PLC
- 2 sprayers (lower and upper) and liquid tank



### Buffing unit (optional)

BRIGHT AND SHINY EDGES

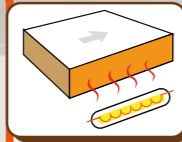
- Uniform colouring and finishing even on processed edges
- 2 motors for buffing unit diameter 120 mm rotating at 1.400 rpm



### Anti-Adherence spraying unit (optional)

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

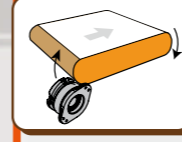
- Creates the best conditions for perfect glueing
- Heats panels and removes all traces of dampness

### Pneumatic shear



DETAILS THAT MAKE THE DIFFERENCE

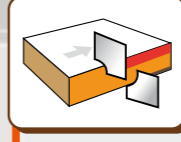
- Edge feeding function (patented)
- Oscillatory movement of the cutting shear unit to guarantee perfect glueing
- Minimum panel length 110 mm



### Corner Rounding unit

PERFECT FINISHING

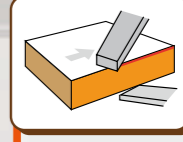
- Finishing of front and rear corners on straight, bevelled and postformed panels
- Diamond cutterblock
- Possibility to select from PLC the processed front, rear or complete panel



### 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

## Chain panel feeding

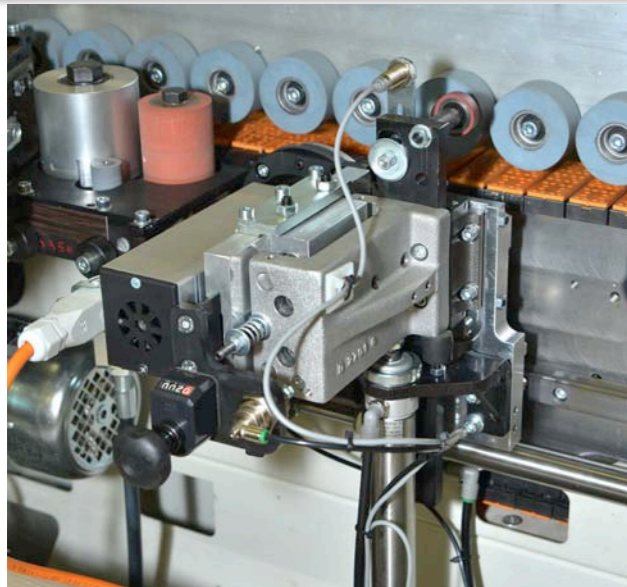


### THE DEFINITIVE SOLUTION FOR INDUSTRIAL QUALITY EDGEBANDING

- 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.



## End trim unit with vertical corner rounding function (opt.)



### TWO PROCESSINGS IN ONE STEP

- Infeed and outfeed excess edge on panel being processed is vertically milled with a diamond shaped tool
- 2 manual processing modes; straight and radius
- High frequency motor 0,55kW – 12.000 RPM
- Double copying system; horizontal and frontal

## “Nesting” copiers (opt.)



### SPECIAL OPERATIONS

- Permits to apply edges on panels with cavities to hold hardware (also allows to apply edges on acute angle panels).
- Both upper and lower copiers are fitted with 3 bearings which guarantee 3 support points for perfect copying in each situation.

## 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.

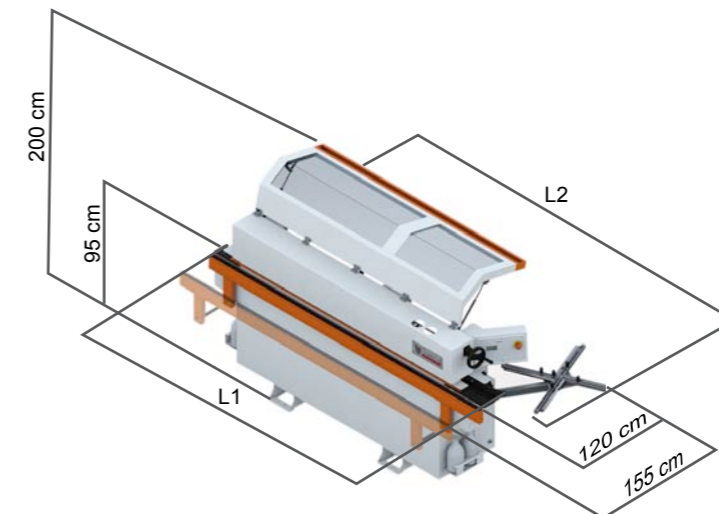
## Compositions

|                                  |  |  |  |   |   |   |
|----------------------------------|--|--|--|---|---|---|
| E550                             |  |  |  | 1 | 1 | 1 |
| E550 PM                          |  |  |  | 1 | 1 | 1 |
| E550 CR                          |  |  |  | 1 | 1 | 1 |
| E550 PM CR                       |  |  |  | 1 | 1 | 1 |
| Options for free spaces          |  |  |  |   |   |   |
| Options without occupying spaces |  |  |  |   |   |   |

## Technical features

|  |  |
|--|--|
| Min./max. panel height   | min. 8 – max. 50 mm                      |
| Min./max. edge thickness   | 0.4 – 3 mm (coils) / 0.4 – 3 mm (strips) |
| Panel width  | min. 95 mm                               |
| Panel length (Side being processed)                                  | min. 110 mm                              |
| Panel feed speed   | 9 m/min                                  |
| 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) | ∅ 75 mm Z4 – hole ∅ 16 mm (r = 2–3 mm)   |
| Total power installed  | 5 kW approx.                             |
| Weight   | 525 Kg approx.                           |

## Overall dimensions



|            | L1 [cm] | L2 [cm] |
|------------|---------|---------|
| E550       | 261     | 313     |
| E550 PM    | 261     | 313     |
| E550 CR    | 311     | 363     |
| E550 PM CR | 311     | 363     |

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.



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