



E450
E450 PM

Automatic Edgebander with chain feeding system

Professional finishing quality in only 2,3 metres length.

- Maximum finishing quality
 - ✓ Chain feeding system
 - ✓ Pre-milling
 - ✓ 2 free spaces for finishing units

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

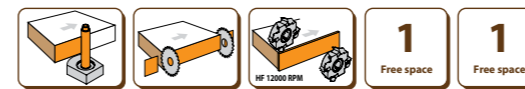
- Minimum space occupied
 - ✓ 2,3 m

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



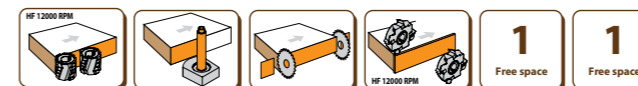
E450

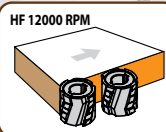
- Chain feeding system
- Logic functioning controlled by PLC
- 2 free spaces for finishing units



E450 PM

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

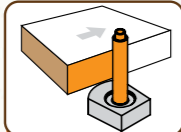




Pre-milling unit (E450 PM version)

INVISIBLE GLUEING LINE

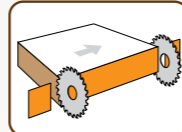
- DIAMOND tools
Ø = 60 mm H = 52 mm
- HF motors 200 Hz – 12.000 rpm
– 0.75 kW (each)
- Dedicated suction system and blower
for panel cleaning before glueing



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.
- Blade rotation speed - 12.000 rpm
- Integrated suction system.



Buffing unit (optional)

BRIGHT AND SHINY EDGES

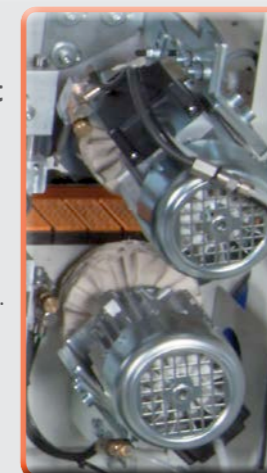
- Uniform colouring and
finishing even on processed
edges.
- 2 motors for buffing unit
diameter 120 mm rotating
at 1.400 rpm.



Polishing spray unit (optional)

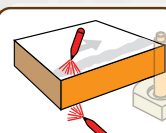
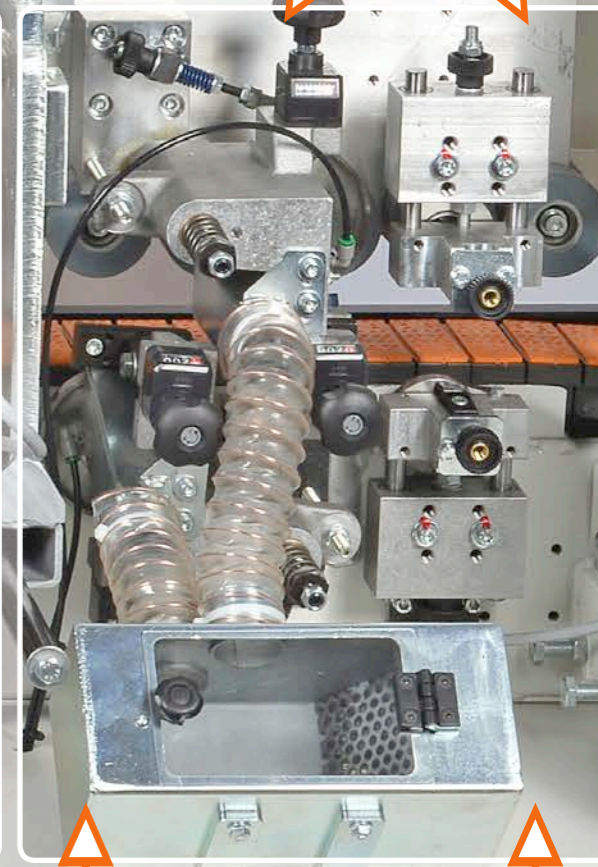
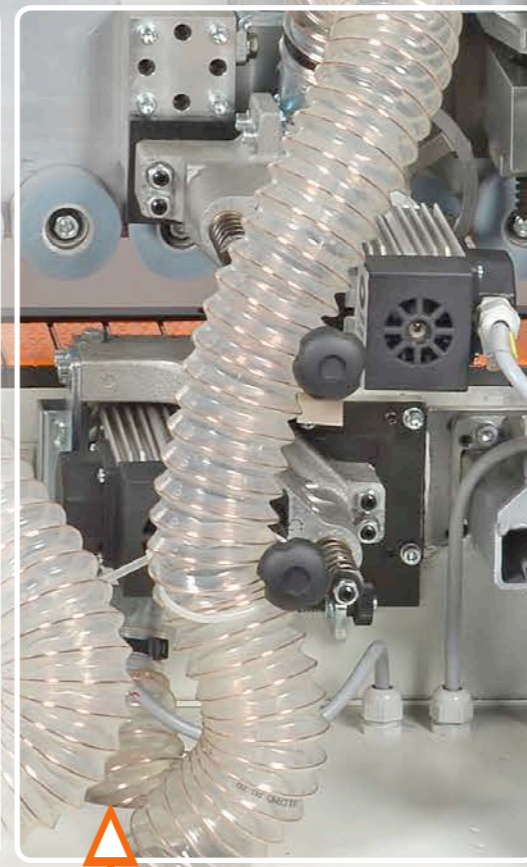
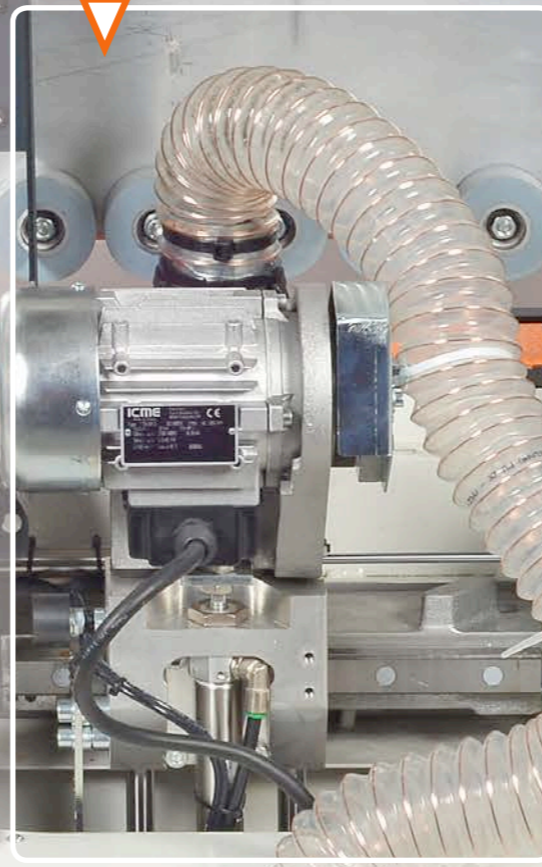
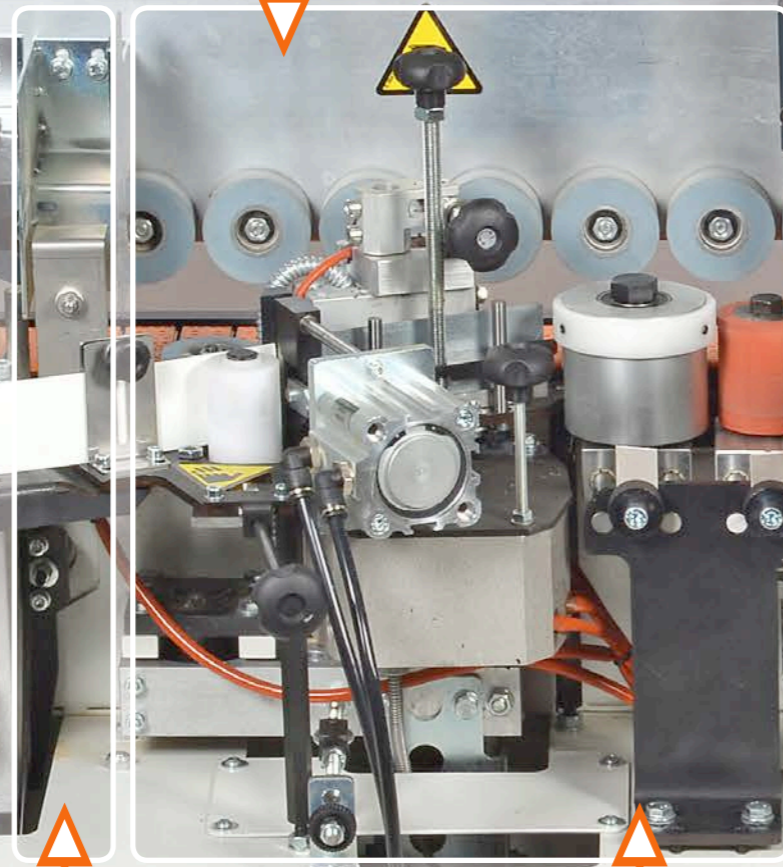
MIRROR FINISHING

- 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:

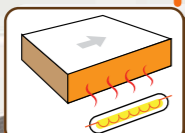
- Edge Scraping unit
- Edge Glueing unit
- Buffing unit



Anti-Adherence spraying unit (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

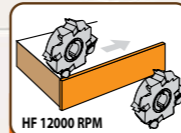
- Creates the best conditions
for perfect glueing.
- Heats panels and removes all
traces of dampness.

Pneumatic shear, pressure rollers, edge feeding system



DETAILS THAT MAKE THE DIFFERENCE

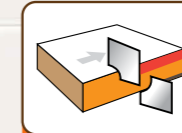
- Edge feeding synchronized with panel being processed
- Oscillatory movement of the cutting shear unit to
guarantee perfect glueing
- Quick and precise positioning of the pressure rollers.
The system "reads" the edge thickness, making
mistakes impossible!



Flush Trimming units

NO ADJUSTMENTS

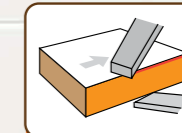
- The system "reads" the edge thickness, making
mistakes impossible!
- Rapid changeovers working between radius
milling, thin and solid edges.
- 2 HF motors 200 Hz – 12,000 rpm – 0.37 kW



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

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.



Top pressure bar

EDGE FEEDING RAISING SYSTEM WITH HANDWHEEL AND NUMERICAL INDICATOR



- 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.

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

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Options for free spaces



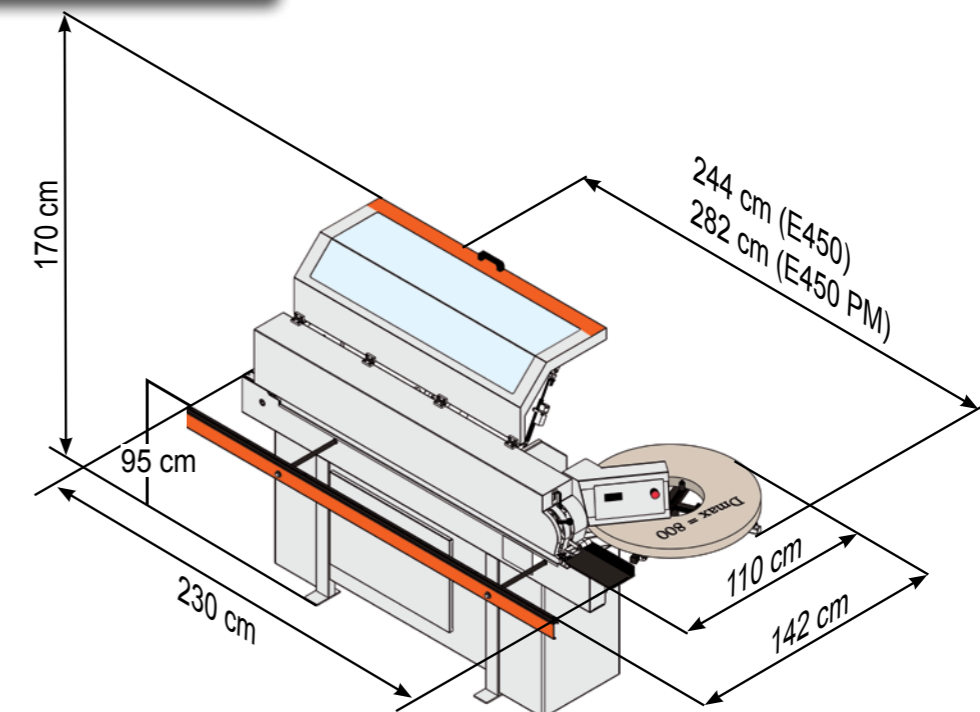
Options without occupying spaces



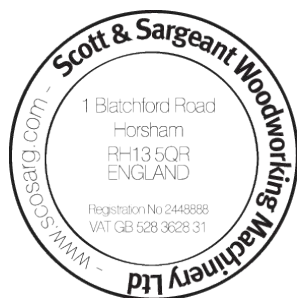
Technical features

Min./max. panel height	min 8 - max 45 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. 210 mm
Panel feed speed	7 m/min
Pre-milling motors (each)	200 Hz - 12.000 rpm - 0,75 kW
Glue pot heating element	1315 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 - 0,37 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	420 kW approx.

Overall dimensions

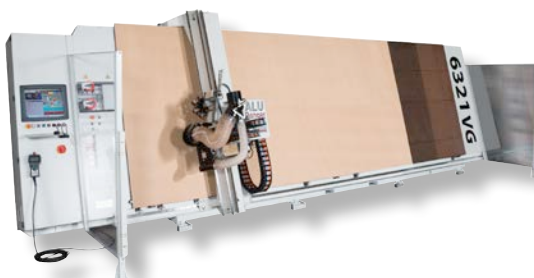


We reserve the right to make technical modifications. The machines illustrated may include fittings and accessories not included on standard machine versions. For photographic purposes, some units are shown without protections. Machines must however always be used with all protections fitted and operative.



Casadei Industria Group

www.casadei-industria.com



TECHNOLOGY FOR

- WOODWORKING (EDGE BANDERS)

S.M. Meccanica S.r.l.

Via Guardia di Rocca, 14
47899 Serravalle - Repubblica di San Marino
Tel. +378 0549 960011
sales@smmeccanica.sm

TECHNOLOGY FOR ALUMINIUM AND COMPOSITE PANELS:

- BUILDING/ARCHITECTURE
- TRANSPORT INDUSTRY
- VISUAL COMMUNICATION

New **samec** S.r.l.

Via Tane di Baragone, 11
47899 Serravalle - Repubblica di San Marino
Tel. (+378) 0549/900720
sales@samec.sm