

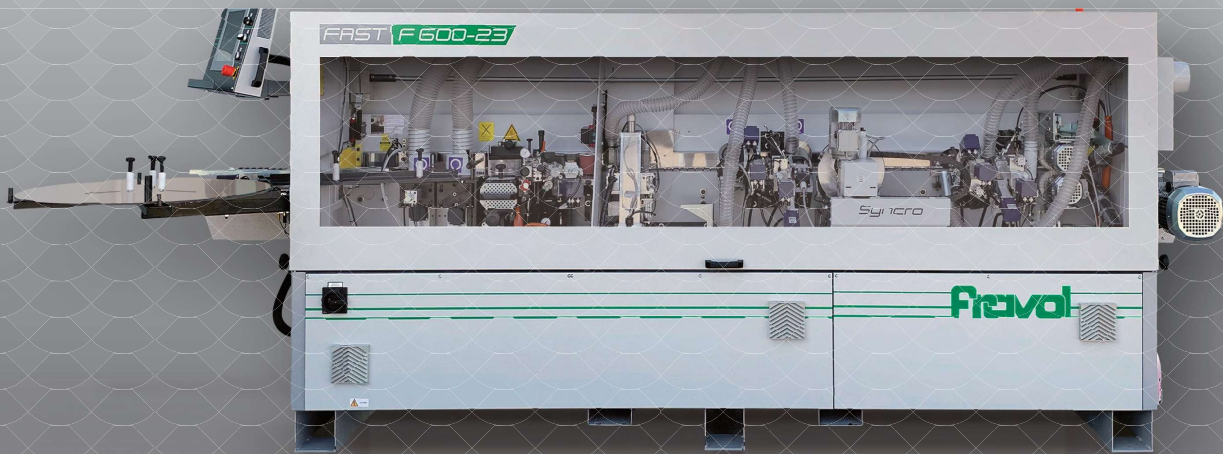


**FARNESE MASTERWOOD AUSTRALIA® PTY LTD**

Woodworking Machinery Sales, Service & Parts



# FRAVOL EDGE BANDER FAST F600-23



## DESIGN FEATURES

---

COMPACT DESIGN, VERSATILE AND USER FRIENDLY

---

IDEAL FOR INDUSTRIAL OR ARTISAN USE

---

ADJUSTABLE UP TO 10 M/ MINUTE

---

QUICK HEATING - START UP IN 6-8 MINUTES

---

GLUE POT CAPACITY: 1 KG

---

APPLICATION OF PVC, ABS, MELAMINE, VENEER AND SOLID WOOD EDGES IN STRIPS OR ROLLS.

---

THE UNITS ARE ADJUSTED AUTOMATICALLY WITH PRESSURE BAR PROVIDED WITH A DOUBLE ROW OF WHEELS.

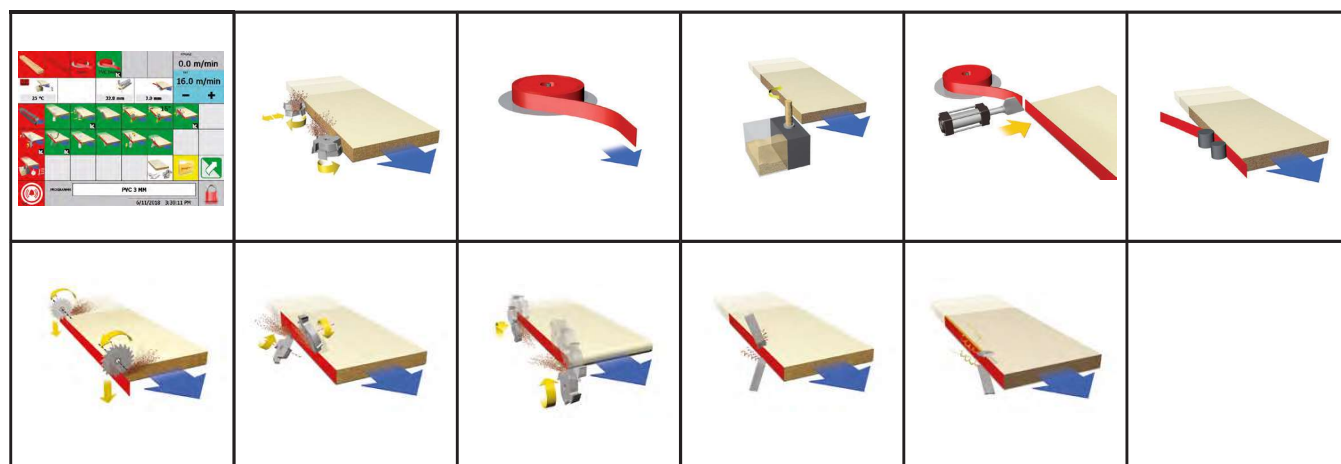
---

Together, Farnese Masterwood have a combined history of over 70 years and the recent merger means that the synergy of experience and knowledge brought in by each partner brings a lifetime of expertise to all aspects of the stone and wood cutting industry. Their combined commitment to their successful legacy in their respective fields brings a new energy to the future of stonemasonry and woodworking in Australia and across the world.

Visit the Farnese MasterWood showroom to view the complete range of professional machines, or contact us for professional advice and solutions for your stone cutting and woodworking business.



# Farnese



## MAIN FEATURES:

- Machine structure in ribbed electrically welded steel, to grant high rigidity.
- The machine has a compact design, is versatile and user friendly.
- Extensible panel support with roller for large-sized panels.
- Built-in electrical cabinet with main switch.
- All working units are protected by a cabin with wide opening allowing excellent view of the inner parts.
- Machine input and output emergency mushroom buttons.
- All motors turn at 12,000 RPM and are controlled by an inverter of suitable power according to machine configuration.

## PANEL CONVEYING SYSTEM

- Track movement is made by a robust chain, by means a proper power, orthogonal geared motor, feed rate 10 m/min.
- High coefficient of friction rubber-coated pads are fitted on the chain in order to grant maximum panel adherence;
- Steel upper pressure beam with double row of wheels;
- A track guide with flat round profile is fitted along the upper beam to obtain maximum precision and straightness even with loadings from the side.

## CONTROL PANEL

- The control panel is placed in a very convenient and functional position together with the PLC with 8.4" Color touch screen and start and operating controls.
- Control of the machine and of the related units is made by an electronic control;
- On the PLC display the following data are displayed:
  - feed rate,
  - glue tank temperature,
  - program type selected by the operator

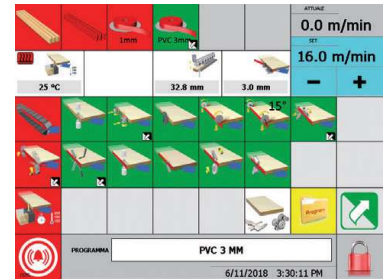
## MAIN FUNCTIONS

- Panel reading is made by means of a high-precision microswitch.
- Loading of roll edging up to 3 mm thick with revolving coil holder plate  $\varnothing$  800 mm.
- PVC/ABS shear up to 3 mm.
- The glue tank is placed under the edge loading device and is teflon-coated to allow easy cleaning and replacing of the glue; it is equipped with heating elements with adapt power.
- In order to obtain perfect glue spreading on the panel, the glue tank moves on a prismatic shoe with 25 mm ball bearings.
- Loading of the roll edging up to 3 mm thick with revolving coil holder ( $\varnothing$  800 mm) is automatic thanks a motorized positioning device.
- Loading of the strip edging up to 6 mm thick is manual;
- The thin strip materials can be loaded manually, one by one by the operator.

8.4" Colour Touch Screen  
Microprocessor Control PLC  
to access all the features  
like, change machining  
program, variations of glue  
temperatures, and enabling  
working units.

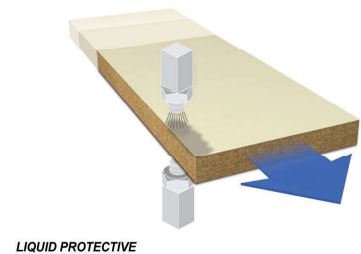
The management of the  
machine and its working  
units is performed by an  
electronic control PLC.  
On the screen the following  
data are displayed:

- Feed rate
- Glue tank temperature
- Program type selected by  
the operator
- Progressive statistical  
data
- integrated simple and  
controlled diagnostic



Release agent spraying  
system

- Electro-pneumatic system,  
used in conjunction with  
the premilling unit.
- Before the entry of the  
piece on the pre-milling  
unit, a thin layer of  
special release agent is  
applied on the top and  
bottom of the panel being  
processed, before the glue  
application.
- The layer of release agent  
prevents any residues  
of adhesive adhering to  
the surface of the edged  
panels.

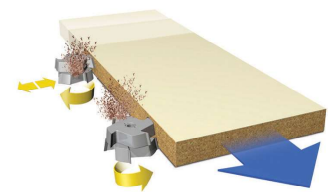


LIQUID PROTECTIVE

Pre Milling Unit  
0.75 + 1.1kw  
12000 RPM

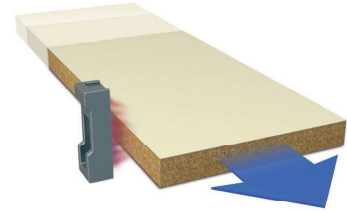
Interchangeable  
diamond cutters.

The unit is equipped with  
Whispercut by Leitz O 60 x  
64H tools



IR Lamp  
0 - 600 deg C  
250W

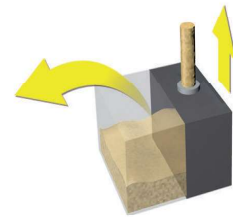
Allows rapid heating of the panel side to be edgebanded, improves gluing resistance even in unfavourable room temperature and humidity conditions.



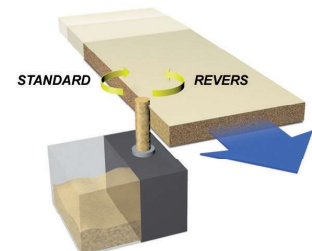
Glue Unit  
Quick release  
1kg Capacity  
Fravol Patent  
Glue pot: EVA,  
PUR & PO glue.

Glue tank for hot melt granular adhesive placed under the loading device, with gluing roller synchronized with panel feeding, Teflon coated for easy replacing and cleaning.

Thanks to the treatment with Teflon® and the special glue spreading roller - Patent FRAVOL- is possible to use glue granules EVA, PUR and now PO without any problem. The temperature is set and controlled by the PLC.

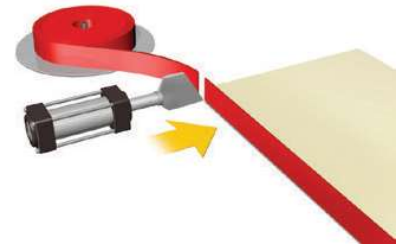


Auto Reverse Glue Tank  
Reverse unit fitted on the glue tank, to spread glue by turning the roller in reverse direction with respect to panel feed direction, thus improving glue resistance on wood, formica and laminate edges.



### 3 mm Shear

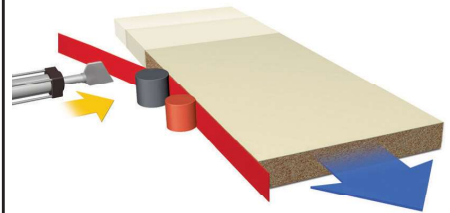
Shear for cutting PVC and ABS up to 3 mm thick, maximum cutting section 195 mm<sup>2</sup>



### Pressure Rollers

In order to achieve perfect edge bonding, the pressure roller is composed of the following:

- 1 motorized roller
- 1 rubber roller
- Pressure rollers are driven by means of spring
- Roller position adjustment by means of an exclusive edge sizing system called pre-setting (quick change) for a quick and precise positioning of the unit.



### End Trimming Unit - "INT 1/F "

Tool material: WIDIA

The end trimming unit has one 0.22 kW (HP 0.30) high frequency 12000 RPM independent motor.

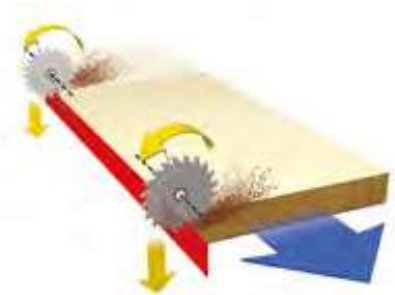
The unit provides high precision and speed of operation by shifting on cylindrical guides in hardened and rectified steel, with ball runner bearings.

Pneumatic exclusion of the unit from the operator panel.

Ability to exclude head / tail trim on workpiece from the operator panel.

Automatic blade inclination without any manual intervention.

Complete with 2 circular saw blades 0 100x20x3,2-Z24.



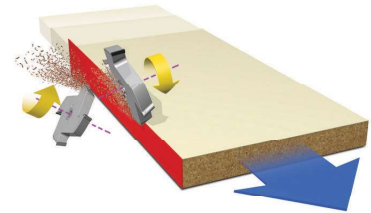
## Heavy Duty Rough Trim Unit

Fravol Patent  
Special Profile Cutters:  
Bevel 30, R1-3mm, flat

Multifunction unit equipped  
with nr. 2 tilted motors 0,37  
kW (Hp 0.5) 12,000 RPM

- The rough/fine trimming function is perfect thanks to the use vertical copy wheels with large diameter.
- Side copying device with high precision double bearing, to avoid any possible scratch, especially on high gloss edges.

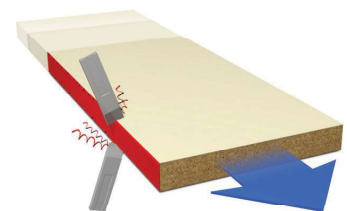
UNIT COMPLETE WITH  
POSITIONS INDICATORS  
Analogue position  
indicators for easy precision  
adjustment and format  
changes.



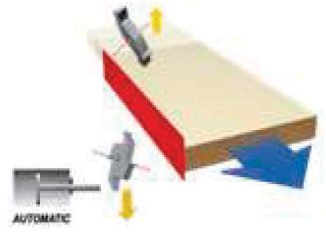
## Scraping Unit

Multifunction finishing unit  
for PVC-ABS edge scraper. It  
removes ripples generated  
by previous machinings thus  
improving surface  
finishing.

- Built with high-strength steel structure to grant absence of vibrations.
- Equipped with rotating vertical and side copying devices allowing perfect positioning of the tools with respect to the edge to be processed

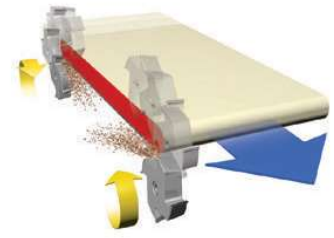
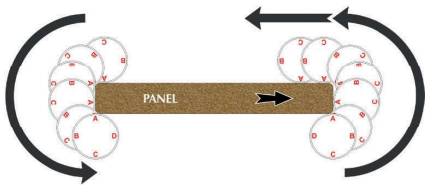


**"MDF" Package**  
 Pneumatic approach of the  
 "trimming" group for "MDF"  
 processing

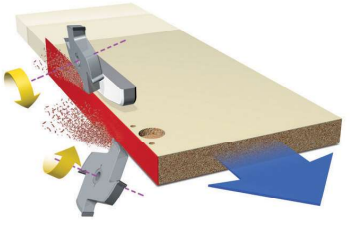


**Corner Rounding Unit**

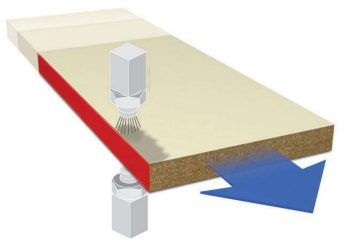
- SYNCRO PLUS - dual function end trimming and corner rounding unit (Fraval patent)
- Straight cut pneumatic positioning with 2 degree tilt.
- Special profile cutter R1-R3mm (Fraval Patent)



**Copy NESTING**

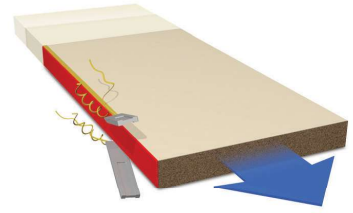


**Cleaning Agent Spray System**  
 The application of the special liquid cleaner is automatic to the passage of the panel. The product is sprayed on the top and bottom side of the panel. The use of cleaner, combined with the glue scraping unit, allows the removal of the release agent previously applied and any residue of glue deposited on the panel.





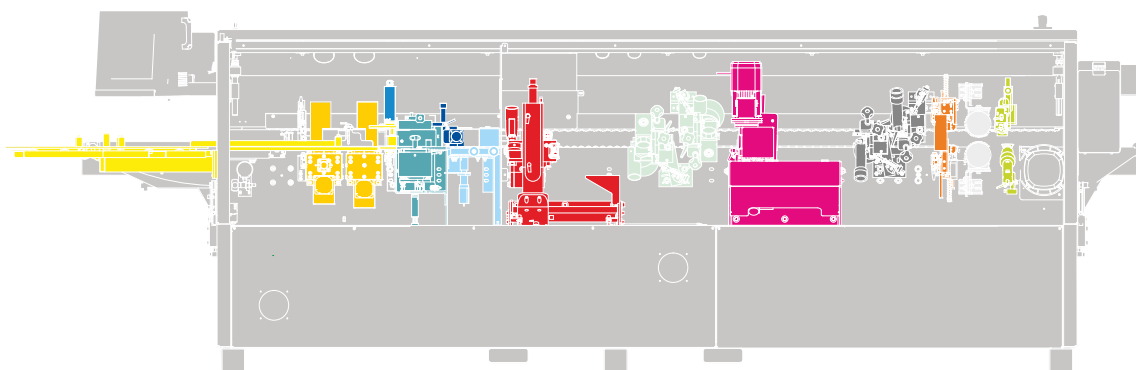
**Glue Scraping Unit**  
 Finishing unit used to remove excess glue on melamine paper, PVC, ABS and veneered edges. Built with a high-strength steel structure to grant absence of vibrations. Equipped with vertical rotating copy pads granting perfect positioning of the flat knives with respect to the upper and lower panel sides. Manual intervention. Complete with 2 flat knives.



## PROFILE TOOLS

UNIT 9-10-21	POSITION A	POSITION B
Tool fine trimming Scraping unit	Flat profile 0°	Radius profiles from 1.0 to 3.0
POSITION B	POSITION C	
Radius profiles from 1.0 to 3.0	Inclined profile 30°	

# FRAVOL EDGE BANDER FAST F600-23



## TECHNICAL SPECIFICATIONS

DIMENSIONS OF INSTALLED MACHINE		METRIC
LENGTH		4310 mm
DEPTH		1300 mm
HEIGHT		1626 mm
WEIGHT		950 KG
<b>PANEL THICKNESS</b>		
STANDARD		10 to 60 mm
<b>PANEL WIDTH</b>		
MINIMUM		80 mm
<b>PANEL LENGTH</b>		Min 120 mm (PVC)
<b>EDGE WIDTH</b>		15 to 65 mm
<b>EDGE THICKNESS</b>		0.4 to 6mm with syncro unit max. 3 mm
<b>FEED</b>		10m / minute STD
<b>PNEUMATIC POWER</b>		6 BAR
<b>INSTALLED POWER</b>		5.5 KW
<b>POWER REQUIRED</b>		400 - 415V 50Hz 3 PH + Neutral
CONNECTIONS REQUIRED (SUPPLIED BY CUSTOMER) POWER, COMPRESSED AIR		
TOOLING   CONSULT YOUR FARNESE MASTERWOOD DEALER FOR ANY TOOLING REQUIRED		

Owing to the constant updating of our designs, descriptions and technical data shown in our drawings and folders are not binding. Possible alterations deemed by the makers as convenient will be effected at any time without previous notice.