



# EMAR S.R.L.

## GLASS WORKING EQUIPMENT

Via del Lavoro, 2B

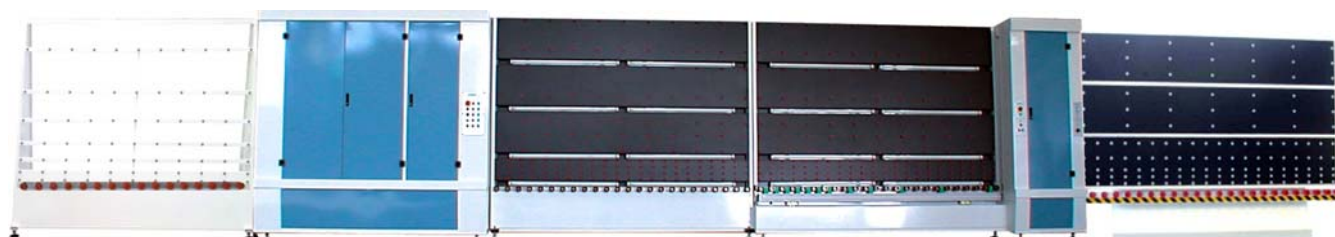
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### SEMI-AUTOMATIC WASHING LINE FOR GLASS

**Mod. M 1602**

VOLTAGE	: 400 Vac 3 Phase +Neutral 50 Hz
TOTAL ABSORBED POWER	: 18 Kw 400 Vac 50 Hz
VENTILATOR MOTOR	: 4 Kw 400 Vac 3 Phase 50 Hz
WASHABLE GLASS DIMENSIONS	: Minimun about 350 mm.x 250 H mm. : Maximun about 2850 mm.x 1600 H mm.
HOT WATER RESISTANCE	: 4,5 Kw 400 Vac 3 Phase 50 Hz
GLASS WASHABLE THICKNESS	: From 3 to 14 mm self-adjustable
ROLLER PRESS THICKNESS	: Up to about 50 mm.
WORKING SPEED	: From 3 to 8 mt/min.
WORKING DIRECTION	: From left to right
WORKING PLANE HEIHT	: 600 mm. about
HEIGHT	: 2.600 mm.about
LENGTH	: 15.500 mm.about
WIDTH	: 1.200 mm.about
WEIGHT	: 3.000 KG about

Composed as follows:

- 01 Motorized entry with a length of 3 Mt. , 1,6 Mt. height, with clutched anticut vulcollan rollers, mounted on bearings and bushing . This module has a motor complete of reducer . Protections against access to the dangerous parts of the machine according to the EU norms

*INCLUDED*



- 01 Washing machine with a length of 2.6 mt. and height of 1,6 mt., composed by 6 brushes with diameter of 160 mm. and stainless steel shafts . Upper drawing shafts in stainless steel , complete of four tanks with pumps , filters and inside in stainless steel. Water warm up of 4,5. Fun is positioned in an insulator "box-aphone" with shutter system to stop the air in the case of the glass is stopped into the machine. Electronically speed adjustment from 3 to 8 mt/min. Protections against access to the dangerous parts of the machine according to the EU norms..

*INCLUDED*

Optional low-e brushes  
Optional magnetron brushes system

*NOT INCLUDED*  
*NOT INCLUDED*

- 01 Motorized exit with a length of 3 mt. and height of 1,6 mt., with clutched anticut vulcollan rollers, mounted on bearings and bushing. This module has a motor complete of reducer . Inspection glass control lights , stop-glass sensors . Protections against access to the dangerous parts of the machine according to the EU norms.

*INCLUDED*



- 01 Motorized assembling station with a length of 3 mt. and height of 1,6 mt. , with double clutched anticut vulcollan rollers, mounted on bearings and bushing. This module has a motor complete of reducer. Inspection glass control lights , stop-glass sensors. Hydraulic system of positioning of the frame with a considerable precision. Everything is controlled by sensors that automatically recognize the glass thickness, so the operator doesn't have to regulate anything manually, but in the same time can work with different glass thickness. Acoustic and luminous indicator as requested by CE rules. Mechanical stop-glass block system to obtain a maximum precision during the working process. Protections against access to the dangerous parts of the machine according to the EU norms

*INCLUDED*

Optional automatic system for triple glass

*INCLUDED*



- 01 Roller press 1 mt long. having a height of 1,6 meters. with double friction rollers resistant to attack vulcollan, mounted on bearings and bushings, this module has an engine complete with gearbox. sliding system of the front roller mounted on ball bearings. Movement by pneumatic pistons in material treated with bushings. sensors for reading the glass for better processing, electronic speed handling. The machine can be adjusted by the operator to vary the thrust of pressing. Thermal control of the motors. Emergency stop button with safety control unit for the block of all the moving parts. speed controlled by PLC to optimize the processing times. All commands are in contact with the operator in safety low voltage. Protection against access to dangerous parts of the machine according to European standards

*INCLUDED*

- 01 Motorized exit with a length of 3 mt. and height of 1,6 mt., with clutched anticut vulcollan rollers, mounted on bearings and bushing. This module has a motor complete of reducer , stop-glass sensors . Protections against access to the dangerous parts of the machine according to the EU norms

*NOT INCLUDED*



Optional hydraulic tilting table system

*INCLUDED*

Recommend the feed water of the washing machine having the following characteristics:

Conductivity	less than 10 uS (microsiemens)
Total hardness	less than 5 ° F (French degrees)
Salt content	less than 5 mg / L
Chloride	less than 5 mg / L
Iron	less than 0.05 ppm
Turbidity	less than 0.5 ftou

If the water values are higher than our advice, the final result of glass cleaning can be compromised.  
If necessary, on request, we can provide the equipment for water cleaning.