



EMAR S.R.L.

GLASS WORKING EQUIPMENT

Via del Lavoro, 2B 20069 Pozzo d'Adda (MI) - Italy
 Tel. +39 - 02 - 90967625 Fax +39 - 02 - 90967628
 Website: <http://www.emar.it> E-mail: emar@emar.it



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 magnetronic 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

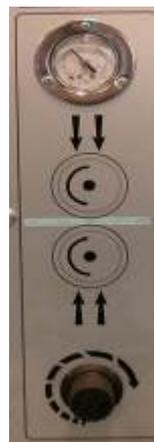


- 01 Motorized assembling station with a length of 3 mt. and height of 1,6 mt. , with double clutched anticut vulcollan rollers, mounted on bearings and bushing. This module has a motor complete of reducer. Inspection glass control lights , stop-glass sensors. Hydraulic system of positioning of the frame 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.