



EMAR S.R.L.

GLASS WORKING EQUIPMENT

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ECONOMIC SEMI-AUTOMATIC WASHING LINE FOR GLASS Mod. M 1501E

VOLTAGE	: 400 Vac 3 Phase +Neutral 50 Hz
TOTAL ABSORBED POWER	: 15 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 2000 mm.x 1600 H mm.
HOT WATER RESISTANCE	: 1,5 Kw 230 Vac
GLASS WASHABLE THICKNESS	: From 3 to 14 mm self-adjustable
ROLLER PRESS THICKNESS	: About 50 mm.
WORKING SPEED	: 4 mt/min.
WORKING DIRECTION	: From left to right
WORKING PLANE HEIHT	: 600 mm. about
HEIGHT	: 2.600 mm about
LENGTH	: 12.500 mm about
WIDTH	: 1.200 mm about
WEIGHT	: 3.000 KG about

Composed as follows:

- 01 Manual entry with a length of 2 Mt. , 1.5 Mt. height, with clutched anticut vulcollan rollers, mounted on bushing. Protections against access to the dangerous parts of the machine according to the EU norms.

INCLUDED

- 01 Washing machine with a length of 1,540 mt. and height of 1.5 mt., composed by 4 brushes with diameter of 100 mm, complete of two stainless steel tanks with pumps. Water warm up of 1,5.kw. Ventilator included. Open top. Protections against access to the dangerous parts of the machine according to the EU norms.

INCLUDED

Optional motorized entry
Optional low-e brushes

NOT INCLUDED
NOT INCLUDED



- 01 Motorized exit with a length of 2 mt. and height of 1.5 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 an 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

INCLUDED



Optional hydraulic tilting table system

NOT 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.