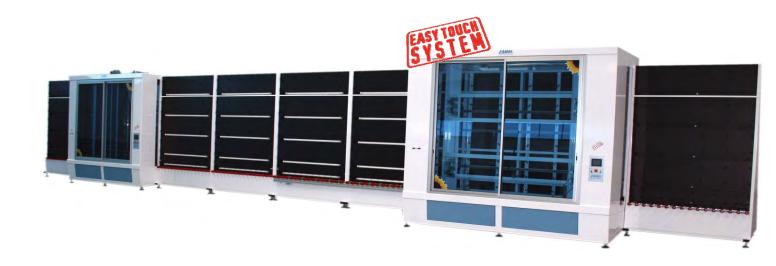


# **GLASS WORKING EQUIPMENT**

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# **AUTOMATIC WASHING LINE FOR GLASS**

# Mod. M 2501 PA

VOLTAGE TOTAL POWER CONSUMPTION FUN MOTOR WASHABLE GLASS DIMENSIONS

HOT WATER RESISTANCE
GLASS WASHABLE THICKNESS
PANEL PRESS THICKNESS
WORKING SPEED
WORKING DIRECTION
WORKING PLANE HEIGHT
HEIGHT
LENGTH
WIDTH
WEIGHT

: 400 Vac. 3 phase + Neutral 50 Hz.

: 36 Kw. 400 Vac. 50 Hz.

: 15 Kw. 400 Vac. 3 phase 50 Hz.

: Min. 450 mm. x 250 H mm. about

: Max. 3500 mm x 2500 H mm. about

: 4.5 Kw. 400 Vac. 3 phase 50 Hz

: From 3 to 24 mm. self-adjustable

: 50 mm. about

: from 3 to 10 mt./min.

: from left to right

: 600 mm. about

: 3.500 mm. about

: 23.000 mm. about

: 1.600 mm. about

: 9.000 Kg. about

## Composed as follows:

Motorized entry with a length of 4 Mt., 2,5 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*









Washing machine with a length of 3,5 mt. and height of 2,5 mt., composed by 8 brushes with diameter of 180 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 kw. Pneumatic opening system of the drawing shafts and brushes, in order to work with bigger thickness. 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 10 mt/min. Protections against access to the dangerous parts of the machine according to the EU norms.

*INCLUDED* 

Optional low-e brushes
Optional opening system over 24 mm

NOT INCLUDED NOT INCLUDED

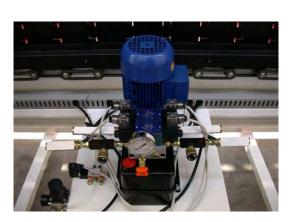




Motorized exit with a length of 4 mt. and height of 2,5 mt., with clutched anticut vulcollan rollers, mounted on bearings and bushing. This module has a motor complete of reducer . Inspection glass control lights , stop-glass sensors . Protections against access to the dangerous parts of the machine according to the EU norms.

**INCLUDED** 





Motorized assembling station with a length of 4 mt. and height of 2,5 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** 





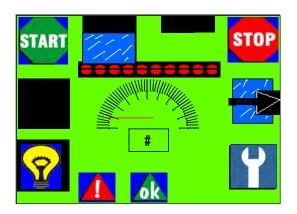












01 Panel press with a length of 3,50 mt. and height of 2,5 mt. with double clutched anticut vulcollan rollers, mounted on bearings and bushing. This module has a motor complete of reducer. Slipping system of the front plane mounted on sphere bearings. Movements through toothed pulley with belt. Sensors for glass presence and mechanic stop for a better working process. Electronic speed of the plane movements and detector system of the pressure power. This machine is able to identify the different glass dimensions and use only the necessary areas, allowing energy saving. Automatic system of suction glass. Air cushion on the back plane with shutter to block the air. The movements of the pressing system is gave by toothed belt that interact on the four mechanical pressure points, controlled by single electronic system. Thermic control of the motors with visualization on digital display. Emergency push button with security control unit to stop all moving parts of the line. Working speed controlled by PLC in order to optimized working process. Automatic panel assembling carry out inside the press with mechanical movements of the plane and automatic regulation of the pressing through electronic system according to panel dimensions. Regulation and visualization through EASY TOUCH **SYSTEM** control panel that allows the operator to control the working process, to regulate the times and control the single operation of each component. All controls in contact with operator are in safety low tension. Protections against access to the dangerous parts of the machine according to the EU norms.

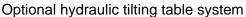
**INCLUDED** 

Optional automatic system for triple glass Optional system for structural glass INCLUDED
NOT INCLUDED

Motorized exit with a length of 4 mt. and height of 2,5 mt., 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**







**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.