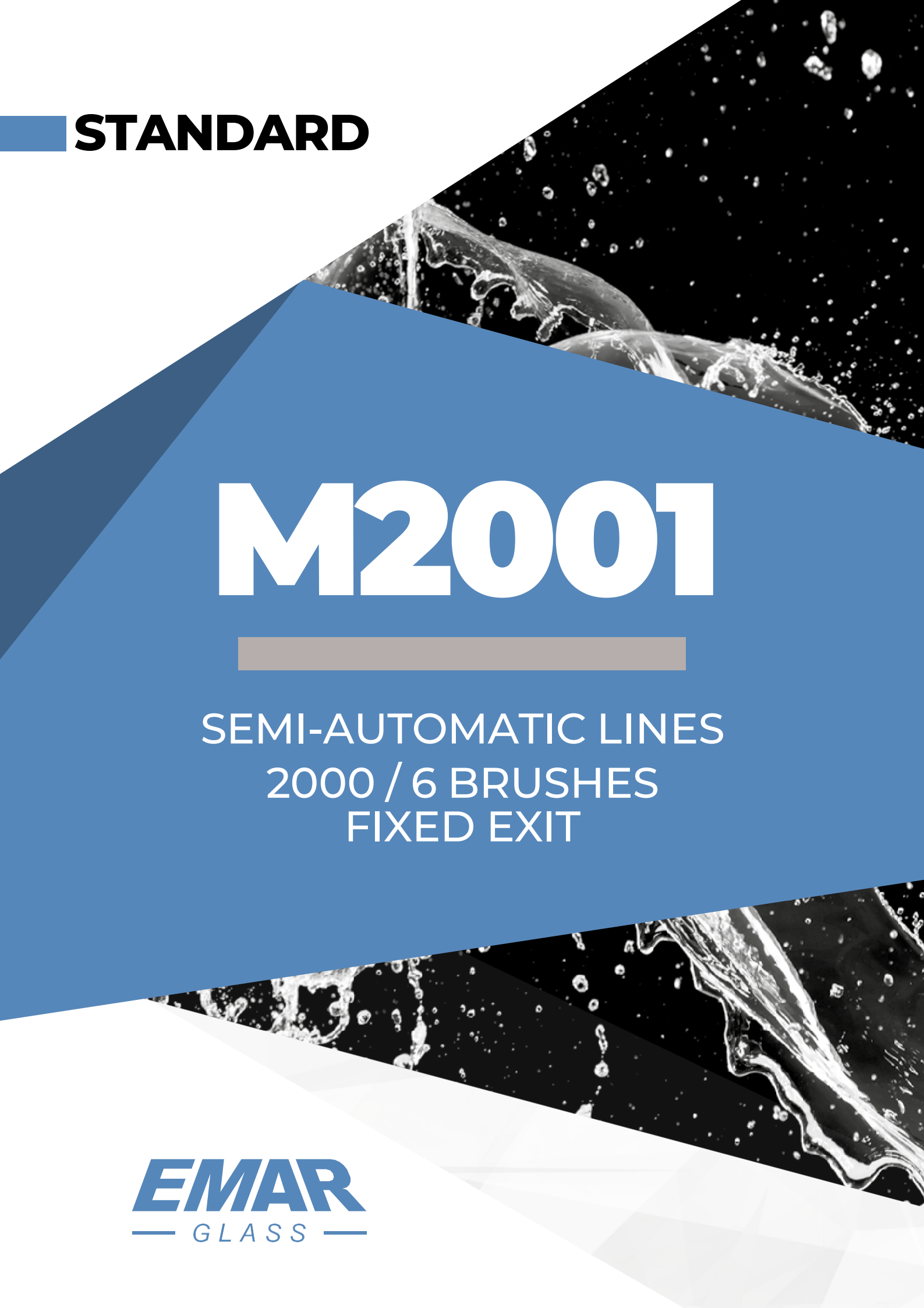


A dynamic black and white photograph of water splashing, creating numerous droplets and a sense of movement. The image is partially obscured by a large blue geometric shape that serves as a background for the text.

STANDARD

M2001

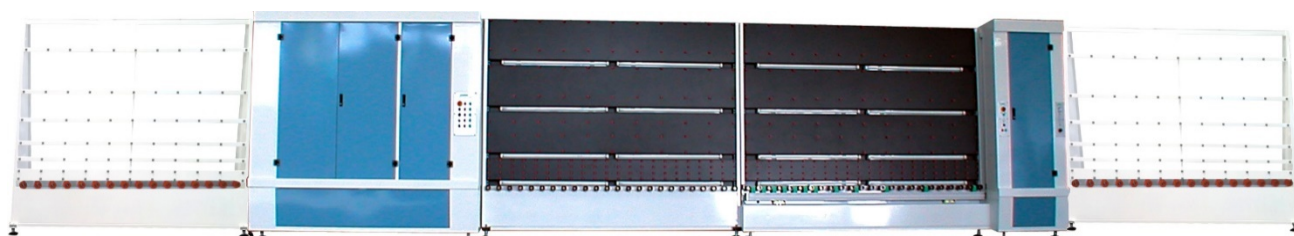
SEMI-AUTOMATIC LINES
2000 / 6 BRUSHES
FIXED EXIT

EMAR
— GLASS —

1002



M2001



Mod. **M2001**

SEMI-AUTOMATIC LINES FROM 2000 / 6 BRUSHES / FIXED EXIT

- All double-glazing production lines adopt a modular concept which can be adapted to the needs of the individual customer.
- Made up of 3 m modules the glass is transported via a system of anti-cut rollers, with frictioned components to increase operator safety.
- The washing machine body, in powder-coated stainless steel, is 2.6 meters long.
- All components in contact with water are corrosion resistant.
- The machine is equipped with 6 brushes with a diameter of 160 mm with steel shafts and aluminum supports.
- The water management unit is made up of three washing zones with tanks, pumps, filters and internal parts in stainless steel.
- Thanks to the shape of the tanks water consumption has been reduced to a minimum, reusing wastewater from one sector to another.
- The thermostat-controlled heating system is standard over the entire range.

M2001

- *Drying is served by a fan mounted in an insulated box to reduce noise with a damper to manage the air flow and therefore allow greater energy saving during processing stops.*
- *The working speed is adjustable and controlled exclusively by an electronic system that maintains the torque constant even with different weights.*
- *The output module is equipped with a new system of continuous LED lights to allow better control of the washing quality. The transport of the glass takes place via a system of anti-cut rollers, mounted on frictioned components to increase operator safety.*
- *Thanks to the LED light system it is possible to identify any imperfections on the glass.*
- *High profile positioning precision is guaranteed thanks to a laser sensor. The pneumatic movement pistons are controlled by oil-filled clearance adjusters managed by sensors to read the thickness of the glass, so that the operator can position the profile spacer without any adjustment while working on glass of different thicknesses.*
- *The 1 m roller press is equipped with anti-cut friction supports and moves via pneumatic pistons made of material treated with bushings.*
- *The machine can be adjusted by the operator to vary the pressing thrust.*
- *The fixed exit is made up of a 3 m module with the glass transported via a system of anti-cut rollers mounted on frictioned components to increase operator safety.*
- *The machine, as standard, has been set up for connection to other work modules.*

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TECNICAL SPECIFICATIONS

Power supply	400 Vac 3-phase + Neutral 50 Hz
Total consumption	22 kW 400 Vac 50 Hz
Fan Motor	4 kW 400 Vac 3-phase 50 Hz
Hot water resistance	4,5 Kw 400 Vac 3-phase 50 Hz
Washing brushes	6 standard 160 mm brushes (optional LOW-E)
Washing zones	3 separate zones with ECO WATER system
Washable glass measurements	Min 350 x 250h mm approx Max 2900 x 2000 h
Washable thickness	From 3 a 14 mm (optional up to 20 mm)
Pressable panel thickness	50 mm approx
Work direction	From left to right (optional right to left)
Working speed	From 3 to 8 m/minute
Work surface	600 mm approx
Height	3.000 mm approx
Length	16.000 mm approx
Width	1.500 mm approx
Weight	3.500 kg approx

We recommend that water supplied to the washing machine has the following characteristics:

Conductivity	= less than 10 uS (microSiemens)
Hardness total	= less than 5° F (gradi Francesi)
Salt content	= less than 5 mg/L
Chloride	= less than 5 mg/L
Iron	= less than 0,05 ppm
Torbidity	= less than 0,5 ftu

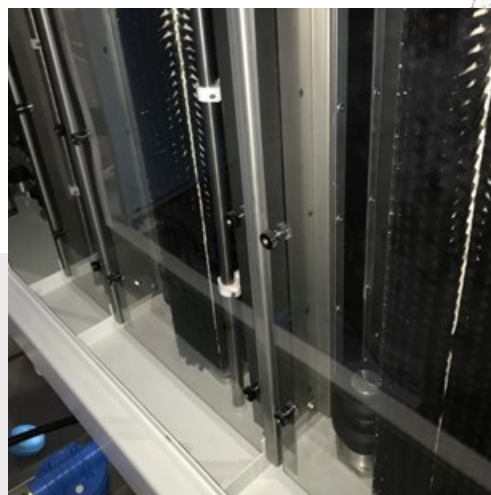
NB. If the water values are higher than those recommended, the glass washing results may be compromised. If necessary, upon request we can provide equipment for cleaning the water.

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WATER RECOVERY

Water is a precious resource - the washing system is designed for a double reuse of water, avoiding unnecessary waste while maintaining optimal quality at the end of the process.



LONG-LASTING

Attention to durability over time is synonymous with quality - all parts of the machine in contact with water are made of powder-coated stainless steel, brush supports and tows in aluminium, pipes in stainless steel, and brass spray nozzles.



ENERGY SAVING

Consumption is significantly reduced during processing thanks to a system which reduces motor consumption while maintaining the air flow active.

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SAFE TRANSPORTATION

The safety of the operator is fundamental, but the glass must be moved for processing. The system adopted allows the glass to be blocked at any time with the rollers moving thanks to an innovative type of transportation.



EASY MAINTENANCE

Thanks to the type of construction, maintenance and cleaning are convenient, easy and quick.



NOISE REDUCTION

A fan for drying has been installed in an insulated box to reduce noise with a damper to manage the air flow allowing for greater energy saving during processing stops. The cleanness of the air is guaranteed by a removable filter.

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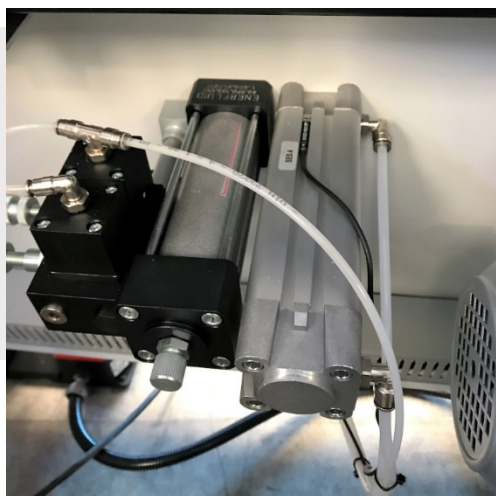
DOUBLE OR TRIPLE GLASS

Thanks to a simple pedal it is possible to define the type of production (double or triple glass).



LASER PRECISION

The manual component of the line is in the assembly module where the operator places the profile. It is therefore essential to give all the references to the operator quickly and precisely. Thanks to the laser reading system it is possible to have high positioning precision and therefore reduce processing times.



SIMPLE AND RELIABLE

The assembly guarantees perfect positioning of the profile bar through this new system created from a mix of pneumatics and hydraulics.

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VULKOLLAN ROLLER

VULKOLLAN® is a polyurethane renowned for its exceptional resistance to dynamic stress and abrasion, laceration and cuts, this material guarantees long duration over time.

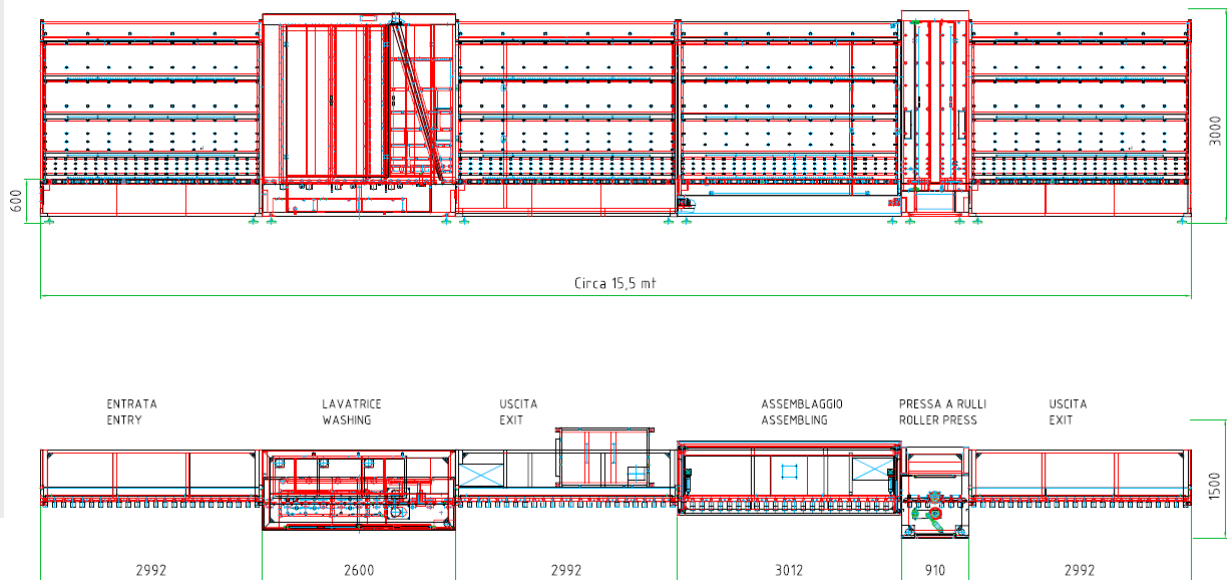


CONTROLS AND ADJUSTMENTS

All controls are situated in the front part of the press and are simple and intuitive, allowing the operator to dynamically and precisely adjust all pressing parameters.

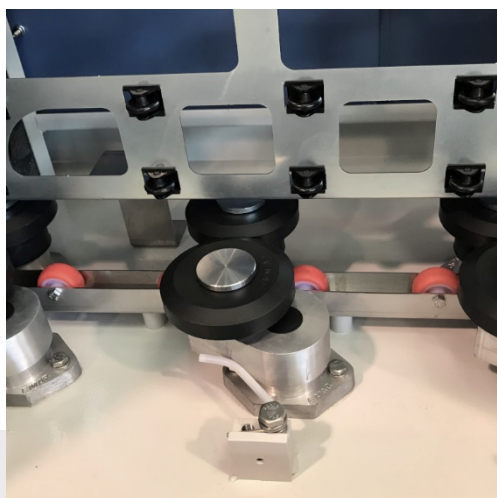
M2001

LAYOUT



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OPTIONALS



THICKNESSES UP TO 20 mm

Thanks to the self-aligning opening system it is possible to process glass thicknesses from 3 to 20 mm completely automatically.



TILTING EXIT

3 m folding output module operated by a jack controlled by an electronic inverter. The module can be used both as a fixed warehouse and a sealing table.

MOTORIZED ENTRY

The automation of the entrance guarantees safe movement of the glass in a completely autonomous manner.

LOW E BRUSHES

These type of brushes have special bristles that allow you to work with more delicate glass. They are complete components with a stainless-steel shaft.



GLASS WORKING EQUIPMENT

www.emarglass.it

