

AUTOMATIC SANDBLASTING MACHINES

FRATELLI PEZZA

Total reliability since 1970

FRATELLI PEZZA was founded in 1970 as a manufacturer of mechanical and industrial systems in general, and then subsequently dedicated itself to the sector of machinery for glass processing.

The company is particularly at the forefront in the construction of glass sandblasting and marking systems, thanks to the technical skillfulness of the founder Alessandro Pezza, who was the first to design and launch a fully automatic sandblaster on the world market.





Made in Italy

Fratelli Pezza manufactures its products in its large and recently renovated headquarters in Clusone, in the province of Bergamo, and takes advantage of a dense international distribution network.

AUTOMATIC SANDBLASTING MACHINES

*No limits to sandblasting
on glass and mirrors!*

Our sandblasters are equipped with a high efficiency filtration system with automatic recovery and recycling of the abrasive material and separation of waste dust. The rubber protections ensure airtight seal, preventing the dust from escaping into the surrounding environment.

All components and wear parts are made of highly abrasion resistant materials to ensure long product lifespan.

They are sturdy and compact machines with small overall dimensions, as well as easy to use by any operator.

They are characterized by high productivity and low consumption of electricity and compressed air, and provide a wide range of processing options.

It is possible to operate both in automatic and manual mode, and the maximum working height can be doubled thanks to the fact that the cabin is open topped.





➤ THE BEST OPTION TO SANDBLAST MIRRORS

Taking advantage of the custom-made software (in particular of the zonal blasting feature, available on the MISTRAL model) it is possible to effectively remove the protective layer and optimize the process. All models are equipped with “MirrorProtection”, a revolutionary system that limits the accumulation of static electricity within the cabin avoiding sparks, a phenomenon that often occurs during sandblasting on mirrors.



➤ INDUSTRY 4.0

All versions are compliant with the requirements of Industry 4.0. Interconnection, digitalization of the production process and constant monitoring of performance are key factors for the competitive development of glass companies.



➤ PLC & SOFTWARE

The sandblasting cabins are equipped with a touch screen control panel. Programming is extremely easy and intuitive. The “PAUSE&CHECK” feature allows to stop the working program, even a very complex one, and restart it exactly from where it was stopped, without having to restart it from the beginning.



MISTR

Technologically
EV+

R A L



advanced equipment

THE AUTOMATIC SANDBLASTERS OF THE MISTRAL SERIES REPRESENT THE TOP OF OUR PRODUCT RANGE

With Mistral it is possible to carry out normal, light, engraved, shaded and zonal sandblasting.

The software allows the operator to manage an unlimited number of working programs, copy, rename, delete and backup them. It is also possible to set up to 50 blasting areas on the glass plate, also of different type, which are shown on the display through a graphic simulation.

Predictive maintenance alerts notify the operator when it is necessary to check the state of wear of components or spare parts, in order to prevent any problems or machine downtime.

MISTRAL EV+

FEATURES

- > Top of the range
- > Space-saving
- > Up to 3 automatic guns (M260EV+)
- > Both automatic and manual sandblasting
- > Built-in filter system (M120EV+ and M180EV+)
- > Automatic recycling of the abrasive material
- > Dust-proof rubber protections
- > Anti-scratch bristled rings
- > MirrorProtection: Reduction of static electricity charge inside the cabin

CONSUMPTION AND PERFORMANCE

- > Low electrical consumption (2-3 kW)
- > Low compressed air consumption (~ 500 l / min. for each activated gun)

SOFTWARE

- > Touch screen
- > Unlimited number of storable programs
- > Graphic simulation of the areas to be performed
- > Pause & Check: possibility to pause the processing
- > Possibility to repeat the last executed program with a simple click
- > Monitoring of processing times
- > Preventive maintenance
- > Compliant with Industry 4.0 requirements

WORKING FEATURES

- > Normal sandblasting
- > Light sandblasting
- > Shading sandblasting
- > Deep engraved sandblasting
- > Zonal blasting
- > Glass thickness up to 50 mm
- > Automatic processing up to 2600 mm height (M260EV+)
- > Open top for processing big glasses

OPTIONALS

- > Amacor stencils, for carrying out patterns without sticking a mask on the glass
- > Extensions for processing big glasses

1200



Born from experience

- > Automatic processing up to 1200 mm height
- > Standard configuration with 1 automatic gun, second gun on request
- > Total electrical consumption 2 kW

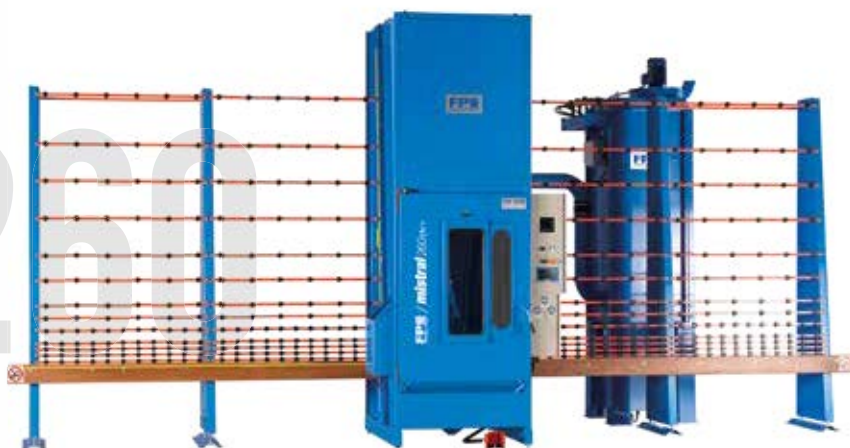
1800



Technology-driven performance

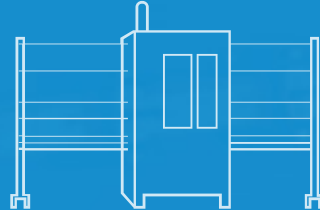
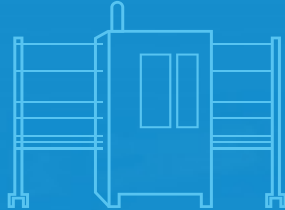
- > Automatic processing up to 1800 mm height
- > Standard configuration with 1 automatic gun, second gun on request
- > Total electrical consumption 2 kW

2600



A step beyond perfection

- > Automatic processing up to 2600 mm height
- > Standard configuration with 3 automatic guns
- > Total electrical consumption 3 kW



ZEPHIR

Low cost, high

R+

performance

ZEPHIR AUTOMATIC SANDBLASTERS REPRESENT THE BEST COMPROMISE BETWEEN QUALITY AND COST

With Zephir it is possible to carry out normal, light and engraved sandblasting.

Moreover, it is possible to see on the display, through a graphic simulation, the sandblasting area that it's being programmed.

This model is widely used by glass factories for the reworking of glass panels with surface defects. Through sandblasting, defect glass can be put back on the market giving it new life as well as generating added value for the glass company.

ZEPHIR+

FEATURES

- > Entry-level model
- > Space-saving
- > Up to 3 automatic guns (Z260+)
- > Both automatic and manual sandblasting
- > Built-in filter system (Z120+ e Z180+)
- > Automatic recycling of the abrasive material
- > Dust-proof rubber protections
- > Anti-scratch bristled rings
- > MirrorProtection: Reduction of static electricity charge inside the cabin

CONSUMPTION AND PERFORMANCE

- > Low electrical consumption (2-3 kW)
- > Low compressed air consumption (~ 500 l / min. for each activated gun)

SOFTWARE

- > Touch screen
- > Graphic simulation of the areas to be performed
- > Pause & Check: possibility to pause the processing
- > Possibility to repeat the last executed program with a simple click
- > Compliant with Industry 4.0 requirements

WORKING FEATURES

- > Normal sandblasting
- > Light sandblasting
- > Deep engraved sandblasting
- > Glass thickness up to 50 mm
- > Automatic processing up to 2600 mm height (Z260+)
- > Open top for processing big glasses

OPTIONAL

- > Amacor stencils, for carrying out patterns without sticking a mask on the glass
- > Extensions for processing big glasses

1200



Simply effective

- > Automatic processing up to 1200 mm height
- > Standard configuration with 1 automatic gun, second gun on request
- > Total electrical consumption 2 kW

1800



Technology at its best

- > Automatic processing up to 1800 mm height
- > Standard configuration with 2 automatic gun, second gun on request
- > Total electrical consumption 2 kW

2600



Sandblasting of big glasses with a small expense

- > Automatic processing up to 2600 mm height
- > Standard configuration with 2 automatic gun, third gun on request
- > Total electrical consumption 3 kW

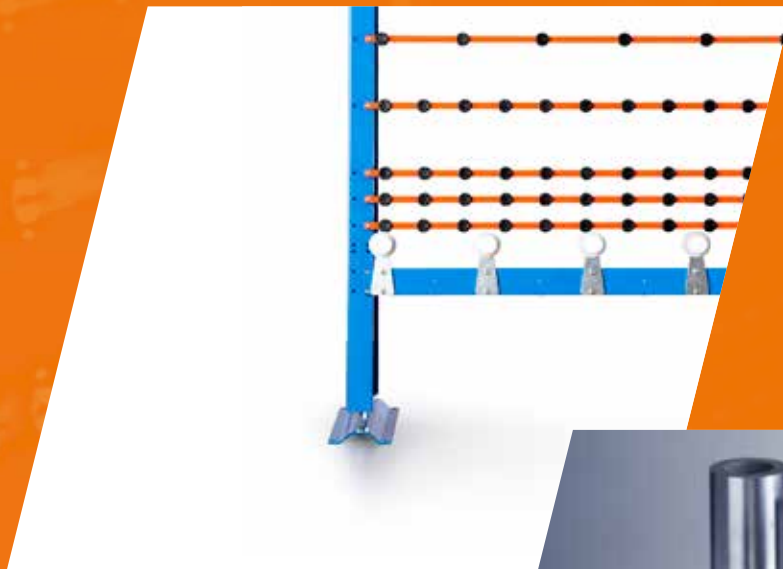
ACCESSORIES



④ AMACOR STENCILS

SANDBLASTING WITHOUT STICKING A MASK ON THE GLASS

The Amacor dies are purpose-made masks for the automatic carrying out of modular patterns on the glass plate (strips, squares, small circles...). This system allows to work without sticking a mask on each glass, with huge reduction of the production time.



GLASS SUPPORT EXTENSIONS ④

In order to process long glasses safely, it's possible to require additional extensions (entrance and/or exit), which are 1400 mm long/each.



ORIGINAL SPARE PARTS ④

FRATELLI PEZZA has ex-stock availability of all consumables, from nozzles to technical spare-parts. FRATELLI PEZZA recommends to only use original spare-parts to safeguard proper operation of the machine and preserve the validity of the warranty.



BUY *Online!*

Find all our products, spare parts and accessories in our online shop:

<https://shop.fratellipezza.com>



FRATELLI PEZZA - Sandblasting and marking machines for flat glass
via Ing. V. Balduzzi, 29 - 24023 CLUSONE (BG) ITALY
tel. +39 0346 27841 - info@fratellipezza.com

Visit our website:

www.fratellipezza.com

