MISTRAL EV

No limits to sandblasting
Fratelli Pezza s.r.l. was founded in 1970 and the owner, Alessandro Pezza, still represents its creative heart. The company specializes in the production of sandblasting and marking machines for flat glass, of which it is the undisputed market leader. The catalog includes the automatic sandblasting cabins of the Zephir series, simple and economical, and the Mistral EV series, which is top of the range equipment. The offer is completed by the automatic marking devices of the Easymarker line, which can be combined with both vertical and horizontal glass processing machines.
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.
MISTRAL

Technologically advanced equipment
THE AUTOMATIC SANDBLASTERS OF THE MISTRAL SERIES REPRESENT THE TOP OF OUR PRODUCT RANGE

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 automatically and manually, and the maximum working height can be doubled thanks to the fact that the cabin is open topped.
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 life.
SANDBLASTING OPTIONS

> Normal sandblasting
> Light sandblasting
> Shading sandblasting
> Deep engraved sandblasting
> Zonal blasting

REDUCTION OF STATIC ELECTRICITY CHARGE INSIDE THE CABIN

All models are equipped with a revolutionary system that limits the accumulation of static electricity in the cabin, a phenomenon that often occurs during sandblasting on mirrors.

PLC AND SOFTWARE

The Mistral models are equipped with a control panel with keyboard and color video display. Programming is extremely easy and intuitive thanks to the use of icons and graphic images. The own-developed software allows to carry out up to 50 sandblasting areas on the same glass plate (which may differ from one another: normal, light, deep, shaded), as well as to create and store up to 200 customized sandblasting programs. 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 being obliged to restart it from the beginning.
FEATURES
> Top of the range
> Space-saving
> Up to 3 automatic guns (M260EV)
> Both automatic and manual sandblasting
> Built-in filter system
> 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 consumption (2-3 kW - 500 l / min. for each activated gun)
> Productivity up to a maximum of 1 sqm/ 2 minutes (M260EV)

SOFTWARE
> Color screen
> Keyboard made of abrasion resistant material
> 200 storable programs
> Pause & Check: possibility to pause the processing
> Possibility to repeat the last executed program with a simple click
> Indication of processing times
> Preventive maintenance messages

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
**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

**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

**A step beyond perfection**
- Automatic processing up to 2600 mm height
- Standard configuration with 3 automatic guns
- Total electrical consumption 3 kW
MISTRAL ACCESSORIES

AMACOR STENCILS
SANDBLASTING WITHOUT STICKING A MASK ON THE GLASS
The Amacor dies, made of high-resistant resin, 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
PROCESS LONG GLASSES SAFELY!
The customer may require additional extensions (entrance and/or exit), which are 1400 mm long/each.

ORIGINAL SPARE PARTS
FRATELLI PEZZA has immediate availability ex-stock 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
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ZEPHIR

No limits to sandblasting
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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.
LOW COST, HIGH PERFORMANCE
ZEPHIR AUTOMATIC SANDBLASTERS REPRESENT THE BEST COMPROMISE BETWEEN QUALITY AND COST

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 provides a wide range of processing options.

It is possible to operate both automatically and manually, and the maximum working height can be doubled thanks to the fact that the cabin is open topped.
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 life.
PLC & SOFTWARE

The ZEPHIR models are equipped with a control panel with display and keyboard for simple and fast programming. The software is equipped with the special PAUSE & CHECK feature which allows the operator to interrupt the processing at any time and then resume it from the point of arrest without this causing any blasting defect.

SANDBLASTING OPTIONS

- Normal sandblasting
- Light sandblasting
- Deep engraved sandblasting

REDUCTION OF STATIC ELECTRICITY CHARGE INSIDE THE CABIN

All models are equipped with a revolutionary system that limits the accumulation of static electricity in the cabin, a phenomenon that often occurs during sandblasting on mirrors.
FEATURES
> Entry-level model
> Space-saving
> Up to 2 automatic guns
> Both automatic and manual sandblasting
> Built-in filter system
> Automatic recycling of the abrasive material
> Dust-proof rubber protections
> Anti-scratch bristled rings
> Mirror Protection: Reduction of static electricity charge inside the cabin

CONSUMPTION AND PERFORMANCE
> Low consumption (2 kW - 500 l / min. for each activated gun)
> Productivity up to a maximum of 1 sqm/ 2.5 - 3 minutes

SOFTWARE
> LCD display
> Keyboard made of abrasion resistant material
> Pause & Check: possibility to pause the processing

WORKING FEATURES
> Normal sandblasting
> Light sandblasting
> Deep engraved sandblasting
> Glass thickness up to 50 mm
> Automatic processing up to 1800 mm height
> 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
Simply effective

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

Technology at its best

> Automatic processing up to 1800 mm height
> Standard configuration with 1 automatic gun, second gun on request
> Total electrical consumption 2 kW
AMACOR STENCILS
SANDBLASTING WITHOUT STICKING A MASK ON THE GLASS

The Amacor dies, made of high-resistant resin, 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
PROCESS LONG GLASSES SAFELY!

The customer may require additional extensions (entrance and/or exit), which are 1400 mm long/each.

ORIGINAL SPARE PARTS
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The best way to leave your mark

EASY MARKER

The best way
The best way to leave your mark

SAND JET MARKING EQUIPMENT ALLOWS TO CARRY OUT A CLEAR AND PERMANENT MARK ON THE GLASS

This fact, together with the extreme cost-effectiveness of the process, make this technique advantageous compared to other marking techniques.
Glass identification requirements, and increasingly stringent regulation in the field of glass for the building industry, make glass marking an important factor today.

Our equipments represent the ideal solution for every marking requirement, ensuring a clear and permanent mark on any type of glass.
EXAMPLES OF POSSIBLE LOGOS

- Company’s logo
- Numbers
- Safety standards
- Indication of the type of glass

PLC & SOFTWARE

While the Marker models are totally manual, the Easymarker automatic models are equipped with a touch screen control panel. Programming is easy and intuitive thanks to the use of icons and graphic images.

All machines are equipped with a timer, that allows proper use, optimizing the production times and the life of the steel masks.

MASS PRODUCTION

The Easymarker models are designed for connection with other glass processing plants, in order to receive an impulse for the automatic activation of the marking process. The activation can also be done via push-button, footswitch and touch screen.
MARKING EQUIPMENTS

FEATURES
> Space-saving
> Built-in filter system
> Automatic recycling of the abrasive material
> Integrated timer
> High performance marking gun
> Customizable steel mask

CONSUMPTION AND PERFORMANCE
> Low consumption (1.3 kW – 350 lt/min.)
> Average lifespan of the steel mask approx. 500 shots

WORKING FEATURES
> Max. marking area Ø 25 mm (M101T) / Ø 30 mm (M301T)
> Rotatable steel mask
> Adjustment of marking duration

OPTIONALS
> Tools for logo positioning
**EASY MARKER EV**

Marking has never been so fast!

- Automatic processing
- Designed for combination with vertical systems
- Adjustable position of the marking gun
- Counter of the executed marks

**EASY MARKER UP**

Marking has never been so fast!

- Automatic processing
- Designed for combination with horizontal systems
- Adjustable stroke of the marking gun
- Counter of the executed marks

**MARKER 101T**

Marking in your hands

- Max marking area Ø 25 mm
- Manual processing
- Portable unit
- Flexibility of use

**MARKER 301T**

How to imprint a big mark

- Max marking area Ø 30 mm
- Manual processing
- Portable unit
- Flexibility of use
ACCESSORIES

SQ UP
METAL COLUMN + BRACKET FOR LOGO POSITIONING
SQ UP was designed by Fratelli Pezza to facilitate the marking operations with EasymarkerUP.

SQ 101T
METAL BRACKET TO FACILITATE THE MARKING OPERATION WITH THE PORTABLE SAND JET MARKERS M101T e M301T.

CUSTOMIZABLE STEEL MASK
Fratelli Pezza manufactures stainless steel masks with customized logos, which can have a maximum diameter of 25 mm. The average lifespan of the mask is approx. 500 shots (real data depending on the type of logo to be carried out).
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OSSIDO DI ALLUMINIO

Per un corretto funzionamento della macchina e per ottenere sabbiature di alto livello è indispensabile utilizzare un materiale abrasivo di qualità. A tal fine FRATELLI PEZZA offre alla propria clientela materiale selezionato EXTRA QUALITY disponibile in diverse grane. Il materiale è sottoposto ad accurate analisi chimiche che ne garantiscono qualità, durezza ed alto rendimento.

GRIT

70 - 90 - 120 - 150 - 180 - 220

* fornito in sacchi da 25 kg/cad.
* supplied in bags of 25 kg/each.
* vendu en sacs de 25 kg/chaque
* suministrado en sacos de 25 kg/cad.
* fornecido em sacos de 25 kg / cada
* Verpackt in Säcken von Kg 25

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FRATELLI PEZZA nasce nel 1970 come azienda costruttrice di impianti meccanici ed industriali in genere, per poi successivamente dedicarsi in maniera specifica al settore dei macchinari per la lavorazione del vetro. La società è particolarmente all’avanguardia nella realizzazione di impianti per la sabbiaitura del vetro, grazie alla creatività tecnica del fondatore Alessandro Pezza che per primo progettò e lanciò sul mercato mondiale una sabbiaatrice totalmente automatica. L’azienda è costantemente concentrata sull’evoluzione dei propri prodotti e sulla ricerca di soluzioni innovative dal punto di vista tecnico ed operativo, ben rappresentate dall'ultimissima versione della serie MISTRAL, la mistral EVOLUTION.

Sfruttando appieno la funzionalità produttiva ed organizzativa garantita dall'ampia sede totalmente rimodernata nel 2012, FRATELLI PEZZA si conferma leader mondiale nella produzione di impianti per la sabbiaitura del vetro, potendo vantare significative referenze su scala mondiale.
AMACOR STENCILS

1. Using the Amacor stencils, a Fratelli Pezza patented system, it’s possible to carry out strips and other geometrical shapes (squares, rectangles, circles, ...) without having to stick a mask (made of vinyl, paper, etc.) onto every glass plate.

2. This system allows to remarkable increase the production rate maintaining a good quality.

3. There are several default stencils available but on request, in case of good quantities, it’s possible to supply special stencils according to customers’ specifications.

4. The Amacor stencils can only be used for MISTRAL and ZEPHIR series.

5. For MISTRAL 260V the maximum workable height is 1800 mm.

6. In order to be able to assemble the stencils on the machine it’s necessary to purchase the dedicated “assembly kit”.

DE

AMACOR-SCHABLONEN

1. Durch die Amacor-Schablonen, ein patentiertes System von Fratelli Pezza, kann man Streifen und andere geometrische Gestalten (Vierecke, Runden, Rechtecke, ...) ausführen, ohne eine Maske (aus Papier oder Vinyl) auf die Glasscheibe aufkleben zu müssen.

2. Solche Lösung erlaubt, die Produktivität stark zu erhöhen und gleichzeitig eine gute Qualität zu erreichen.

3. Die Amacor-Schablonen sind in verschiedenen Standardversionen verfügbar aber bei großen Stückzahlen kann man auch Teile nach Maß fertigen.

4. Die Schablonen können nur mit den Serien MISTRAL und ZEPHIR verwendet werden.

5. Für das Modell MISTRAL 260EV beträgt die maximale Bearbeitungshöhe 1800 mm.

6. Um die Schablonen verwenden zu können muss man das zugehöriges Montagematerial-Set beziehen.

ES

MOLDES-AMACOR

1. Utilizando el molde-Amacor, patentado por Fratelli Pezza, se puede crear rayas y otras formas geométricas (cuadrado, rectángulo, círculo, ...) evitando la aplicación de una máscara (vinilo, papel, etc.) en cada panel de vidrio.

2. Esta solución permite reducir significativamente los tiempos de procesamiento y obtener buenos resultados.

3. Los moldes están disponibles en diferentes modelos (hasta demanda y por determinadas cantidades pueden ser producidos de acuerdo a los requerimientos del cliente).

4. Los moldes se pueden utilizar solamente en los modelos Mistral y Zephir.

5. Por el modelo MISTRAL 260EV la altura máxima de elaboración es de 1800 mm.

6. Con el fin de aplicar el molde de la máquina que necesita para comprar la Asamblea especial se requiere.

FR

MOULES-AMACOR

1. Avec l’utilisation des moules AMACOR, qui ont été brevêtés par FRATELLI PEZZA, il est possible de réaliser rayures et autres formes géométriques (carrés, rectangles, cercles, ...) sur chaque plaque de verre sans devoir appliquer une masque (vinyl, papier, etc, ...).

2. Cette solution permet de diminuer considérablement les temps de traitement et d’obtenir toutefois un bon résultat.

3. Les moules sont disponibles dans différents modèles et pour certaines quantités peuvent être produits selon les besoins du client.

4. Ces moules Amacor sont disponibles seulement pour les modèles MISTRAL et ZEPHIR.

5. Pour modèle MISTRAL 260V la hauteur maximale d’usajg est de 1800 mm.

6. Afin d’appliquer le moule sur la machine, il faut acheter le spécial KIT pour le montage.
Simulazione del risultato in scala 1:2 impostando una distanza (passo) di 10 mm. Il passo è variabile.

EN: Simulation of the result at the scale 1:2 by setting a distance (step) of 10 mm. The step is adjustable.


ES: Simulación del resultado en escala 1:2 regulando una distancia (paso) de 10 mm. El paso es regulable.

FR: Simulation du résultat à l’échelle 1:2 en programmant une distance (pas) de 10 mm. Le pas est variable.
 Simulation of the result at the scale 1:2 by setting a distance (step) of 10 mm. The step is adjustable.
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