



CATALOGUE  
MACHINES FOR THE  
INSULATING GLASS

Machines for producing IG panels

[WWW.BATTELLINO.IT](http://WWW.BATTELLINO.IT)

## Company Introductions

Our company, Battellino Srl, was established in 1990 from the passion and ingenuity of its founder, Mr Gianni Battellino. We have always operated in the production of glass processing machines, which are completely designed and manufactured in our factory and equipped with the best technologies and materials available on the market. In our products you will find all the quality of Made in Italy.



All stages of both the production and design process take place within our factory.

In our products you will find all the quality of Made in Italy.



Our company is based in north-eastern Italy a few kilometres from the Austrian border, not far from the airports of Ronchi dei Legionari, Venice and Treviso.

The machinery catalogue we offer includes:

- Machines for the production of insulating glass:

1 kg butyl machine mod. BK 100 LX;

7 kg butyl machine mod. BK 700 LX;

Automatic robot for sealing insulating glass model

SRM 2000 - SRM 2500 - SRM 2700

Rotating table for automatic sealing of insulating glass units;

Profile cutter with display;

Manual profile bender;

- Flat glass grinding machines:

Straight-line grinding machine with 4 grinding wheels mod. FP4;

Straight-line grinding machine with 5 grinding wheels mod. FP5;

Straight-line grinding machine with 6 grinding wheels mod. FP6;

Straight-line grinding machine with 7 grinding wheels mod. FP7;

- Bevelers:

Bevelling machine with 5 wheels mod. BEVEL 400;

We assure you competitive prices and a high quality support and after-sales service, characterised by the possibility of contacting us not only by telephone or e-mail but also using means such as Skype and messenger to guarantee continuous and immediate contact that allows you to overcome physical distances.

## Butyl extruders



### 01

Automated butyl coating machine for the simultaneous application of a measured butyl strip for each side of the spacer frame with high efficiency stable quality sealing performance.

### 02

These two models of butyl extruder are, practical and suitable for small (BK100LX) and medium/big-sized (BK 700LX) companies.

# MAKE BUSINESS MORE GROWTH

Super smart and easy to use are the perfect butyl extruders for those who want a simple and efficient machine. Working with these machines is simple and intuitive with all the controls on the frontal section of the machine and a working height designed to help the customer maintain a good posture.

These machines are extremely functional.



## Easy to use

Designed and manufactured entirely in Italy in our factory since 1990 with the best technology and components currently available on the market, these machines combine the ease of use, the reliability and the durability as confirmed by the thousands of

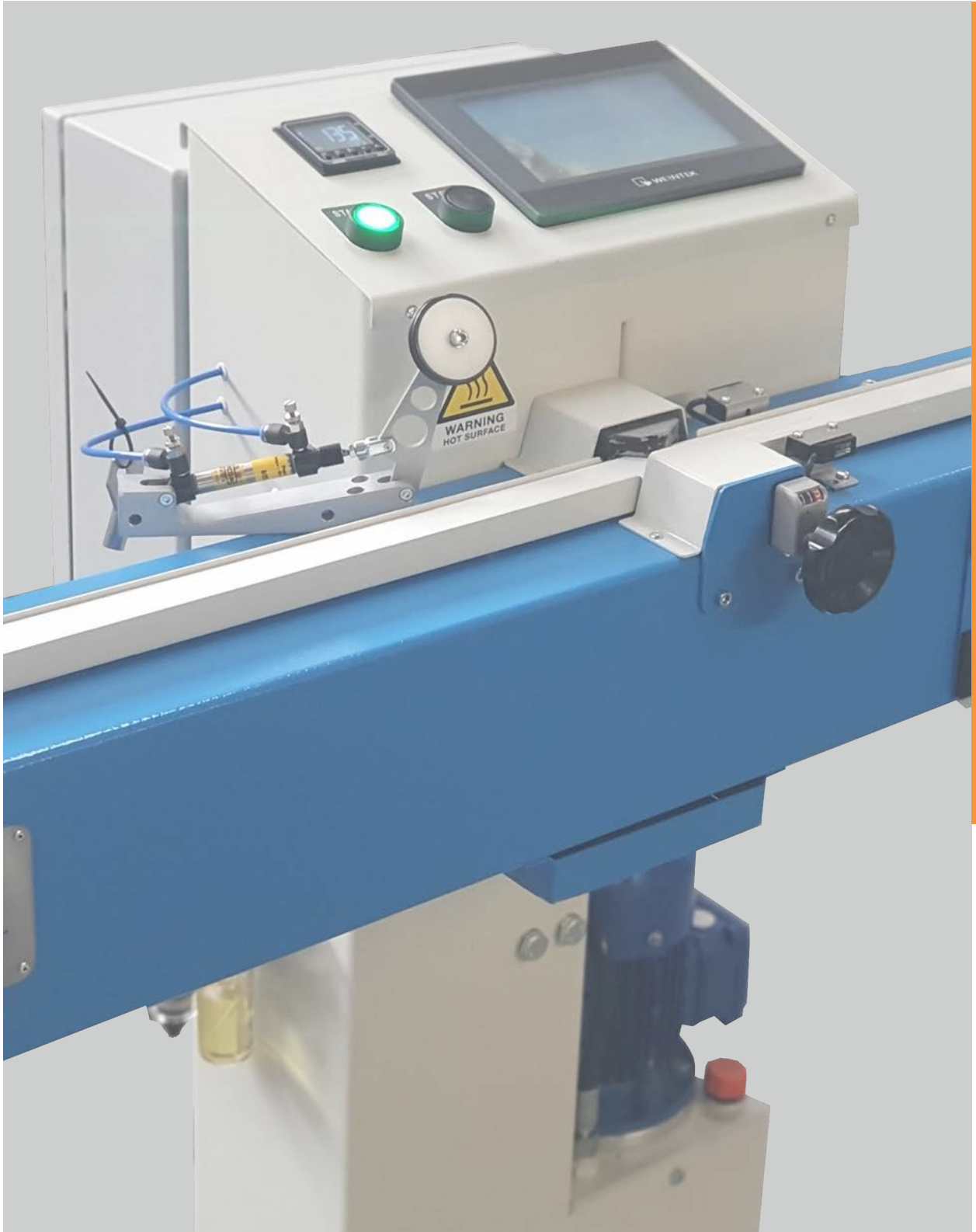


## Perfect quality job

customer purchases of the last few years.

Designed and manufactured entirely in Italy in our factory, it allows a wide range of modifications and customizations to satisfy the specifications of each customer.

Intuitive, simple and ergonomic...



Friendly, easy and multilingual touch screen operating interface to control all the working phases

Constant flow is maintained even when the draw speed varies

Possibility of work shaped frames

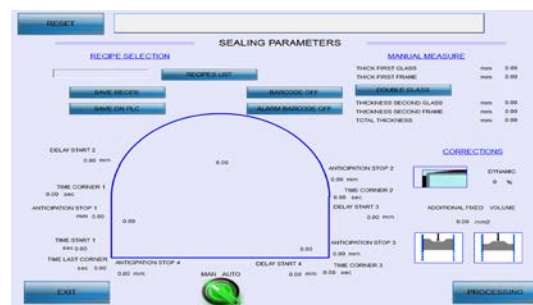
Great performance and user friendly

Temperature adjustment with PID control of +/- 0.3°C accuracy

Hydraulic oil with anti-foam and anti-rust additives with intake and discharge 9 micron filters

The extrusion speed can be set individually

Pre settled and editable recipes



Whole machine adopt man-machine touch screen interface, easy to use and with memory function.

All the settings like working speed, temperature, profile holder activation, extrusion speed can be controlled from the main Panel.

A sequence of pre settled and editable recipes for a perfect work at different speeds allows the use of the machine also at no qualified persons.

The multilingual and intuitive interface helps in the fast settings of the machine.

A new set of last generation sensors improved the quality of work

All the dimensions of the machine are thought for helping the operator to work easily and comfortably, mechanical and electronic safety devices avoid all dangers.



Great performance and user friendly

High quality sealing performance

Reduction of production times

Manufactured entirely in Italy

Reduction of production costs

... our butyl extruders are thought for You!



The pre-heating of the butyl rubber can be started manually or programmed automatically with digital timer (optional).

The working temperature is adjustable by an electronic thermostat that avoids working with cold temperature. Fitted with a special manual hydraulic valve, these machines continuously extrude a constant quantity of butyl.

The extrusion nozzles used to adapt to various spacer thicknesses, are manually set by a hand wheel and the current dimension is shown on the display (from 6 to 30 mm other dimensions under request).



## Accurate control of all the phases of work...

Thanks to the central profile holder, PIB can be applied to both rectilinear and round shaped frames also of small dimensions while the height of extrusion is always changeable.

The conveyor belt is mechanically tensioned and covered by silicon for a higher resistance and better work.

The butyl replacement is practical and quick, about 4 min without disassembly operations, the butyl compartment is easily reachable from the front of the machine.

The machine's base frame is made of high grade steel, providing an ideal platform for mounting precision extrusion equipment. The entire structure is painted using a powder coating process to avoid any corrosion. An aluminium carter protects the base of the machines from impacts.

This machine is extremely robust the nitred steel extruders are put on a header made of normalized steel and they are made for delivering continuous accurate PIB extrusions as a primary seal.

Each machine is CE marked and is signed by an univocal serial number and production year.

All dangerous or movable parts are closed by adequate protections for a safe handling of the machine.



...precision is always our target!

More the

**1000 butyl extruders**

sold all over the world

Touch screen interface

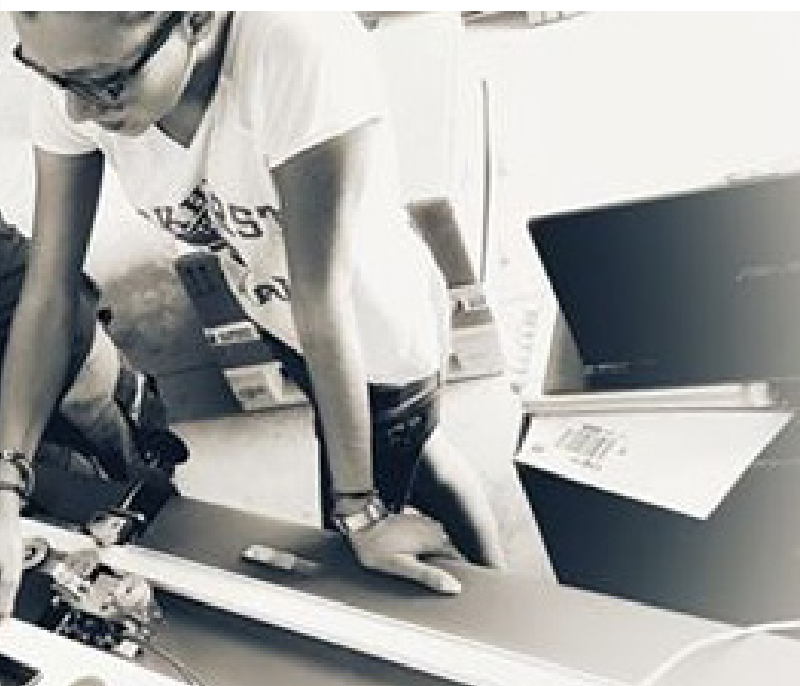
Minimal loss of material

Material's refill practical and quick, about 4 min without disassembly operations

Working of shaped frames

Working of short pieces

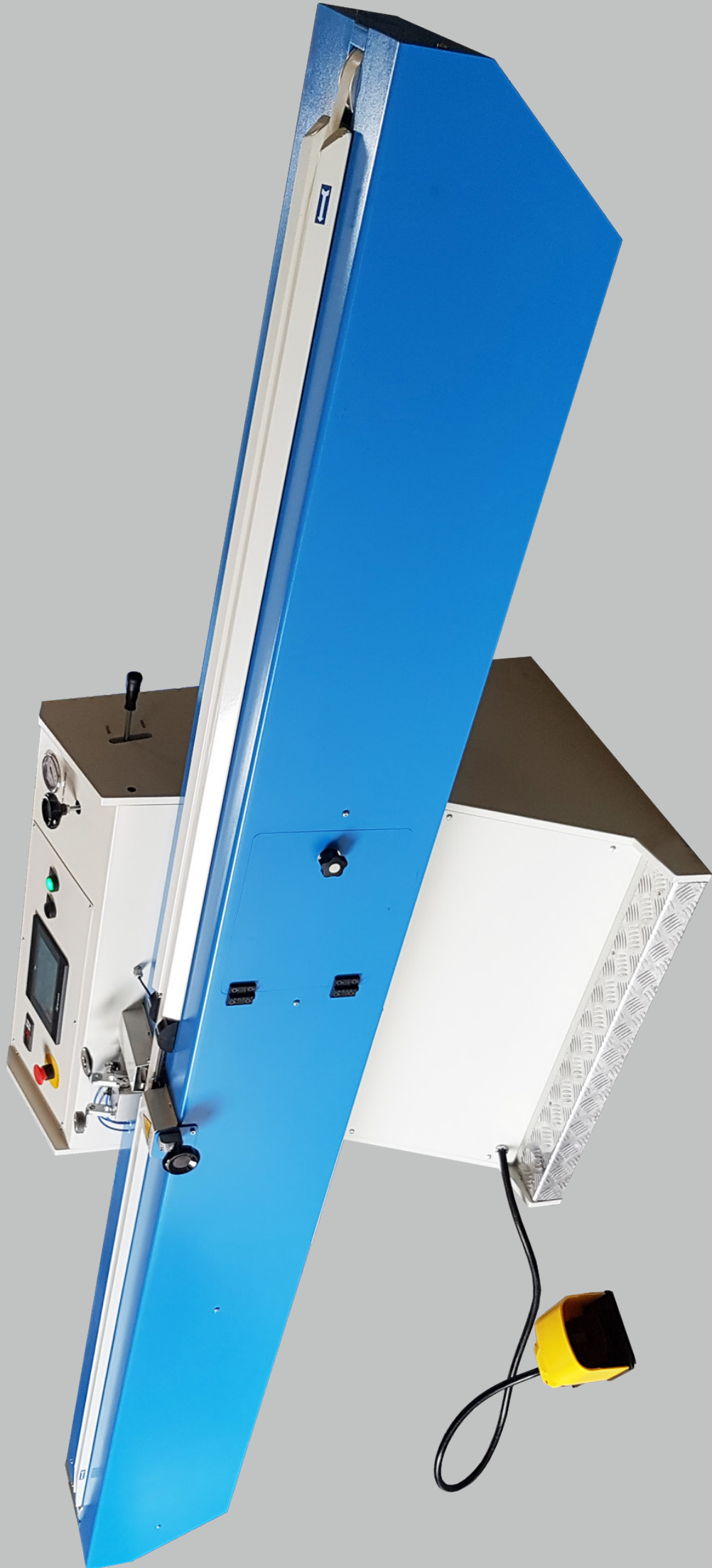
- All the desired adjustments can be set easily from the front section.
- Constant flow is maintained even when the draw speed varies.
- Hydraulic unit with high performance.
- Temperature adjustment with PID control of +/- 0.3°C accuracy.
- Hydraulic oil with anti-foam and anti-rust additives with intake and discharge 9 micron filters.
- The coating speed can be set individually.
- Security thermostat to avoid working with cold temperatures.
- Pre settled and editable recipes.
- New set of sensors.
- Manual setting of the nozzles from 6 to 30 mm. (other dimensions under request)
- Equipment for manual processing of round arches (BK100 LX optional).
- Pneumatic profile holder at extruder unit outlet.
- Double-contact foot switch to apply butyl to round and shaped profiles.
- Short pieces can be produced without any additional device.
- PIB block replacement is quick and easy.
- Processing of spacer frames with or without georgian/muntin bars.
- Conveyor belt is protected with a silicon layer.

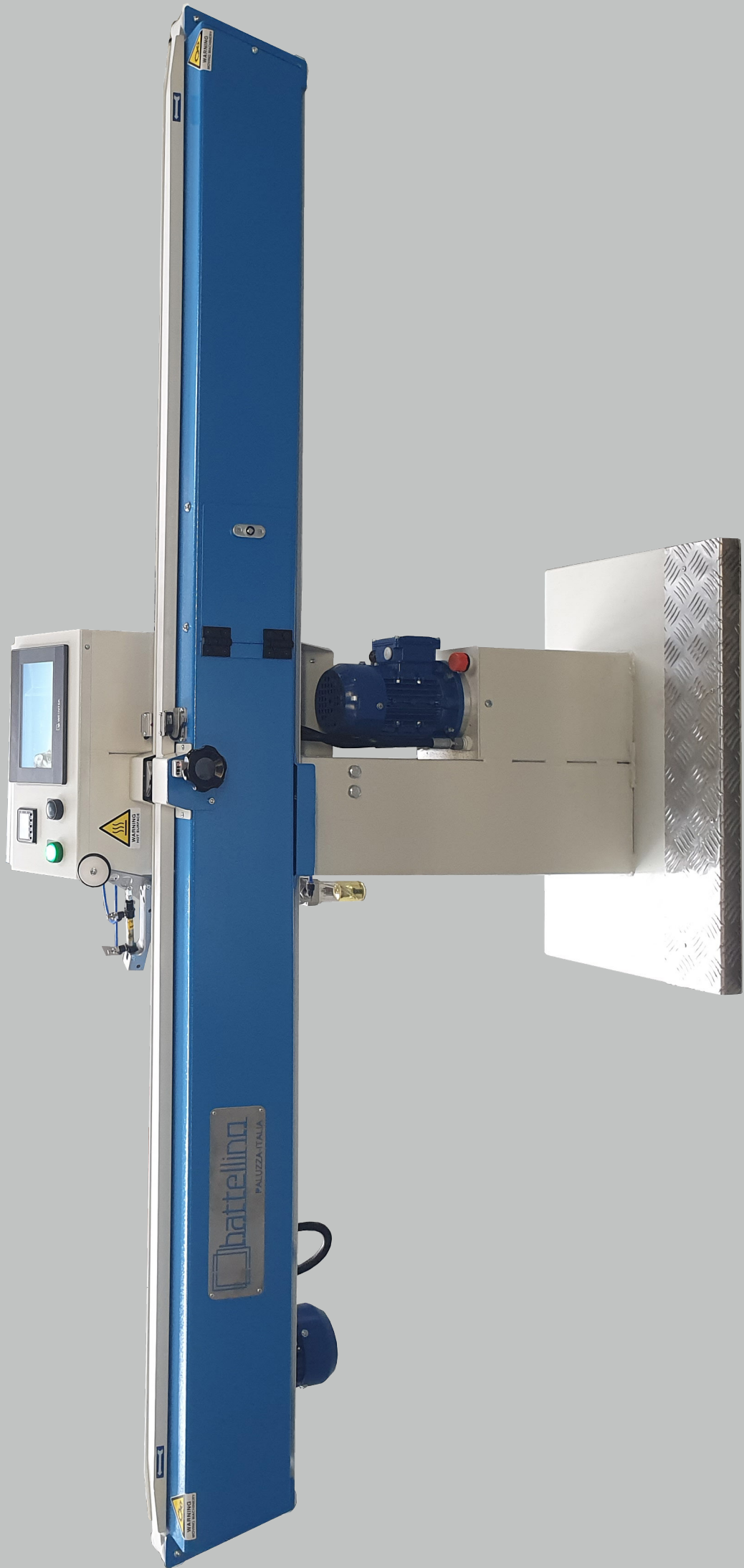


## Technical data

| Technical data                                  | BK 100 LX            | BK 700 LX            |
|---|----------------------|----------------------|
| Pneumatic pressure                              | 7 atm                | 7 atm                |
| Air Supply                                      | max 10 lt            | max 10 lt            |
| Dimensions                                      | 2100 x 490 x 1000 mm | 3000 x 890 x 1000 mm |
| Speed   | 0 - 18 Mt/min        | 0 -36mt/min          |
| Weight  | 150 kg               | 585 kg               |
| Nozzle opening                                  | 4 - 30 mm            | 4 - 30 mm            |
| Used butyl                                      | 1 kg                 | 7 kg                 |
| Power supply                                    | 380V 50Hz 3 phases   | 220V 50hz monophas   |
| Working temperature                             | 135°                 | 135°                 |
| Extrusion head positioning accuracy             | +/- 0,1mm            | +/- 0,1mm            |
| Recharge time                                   | 4 Min                | 4 Min                |
| Machine heating time                            | 15 Min               | 20 Min               |
| Manually adjustable hydraulic pressure bars     | 30/150 bar           | 30/150 bar           |
| Noise emission                                  | 55dB                 | 55dB                 |
| Optional  | BK 100 LX            | BK 700 LX            |
| Equipment for manual processing of round arches | Optional             | Standard equipment   |
| Pre-heating timer                               | Optional             | Optional             |

\*Some data may have changed since the printing of this brochure, always contact the manufacturer for more detailed information





## Manual bending

Bench manual bending for the aluminium profiles

Distance of nylon pulleys settled with a handle

Nylon pulleys assembled on ball bearings

The hand wheel of the machine has a rotating handle to facilitate the work

Removable Non-slippery rubber feet for the fixing on the work plane

Opportunity to choose the machine colour between a big range of colours

### Machine dimensions

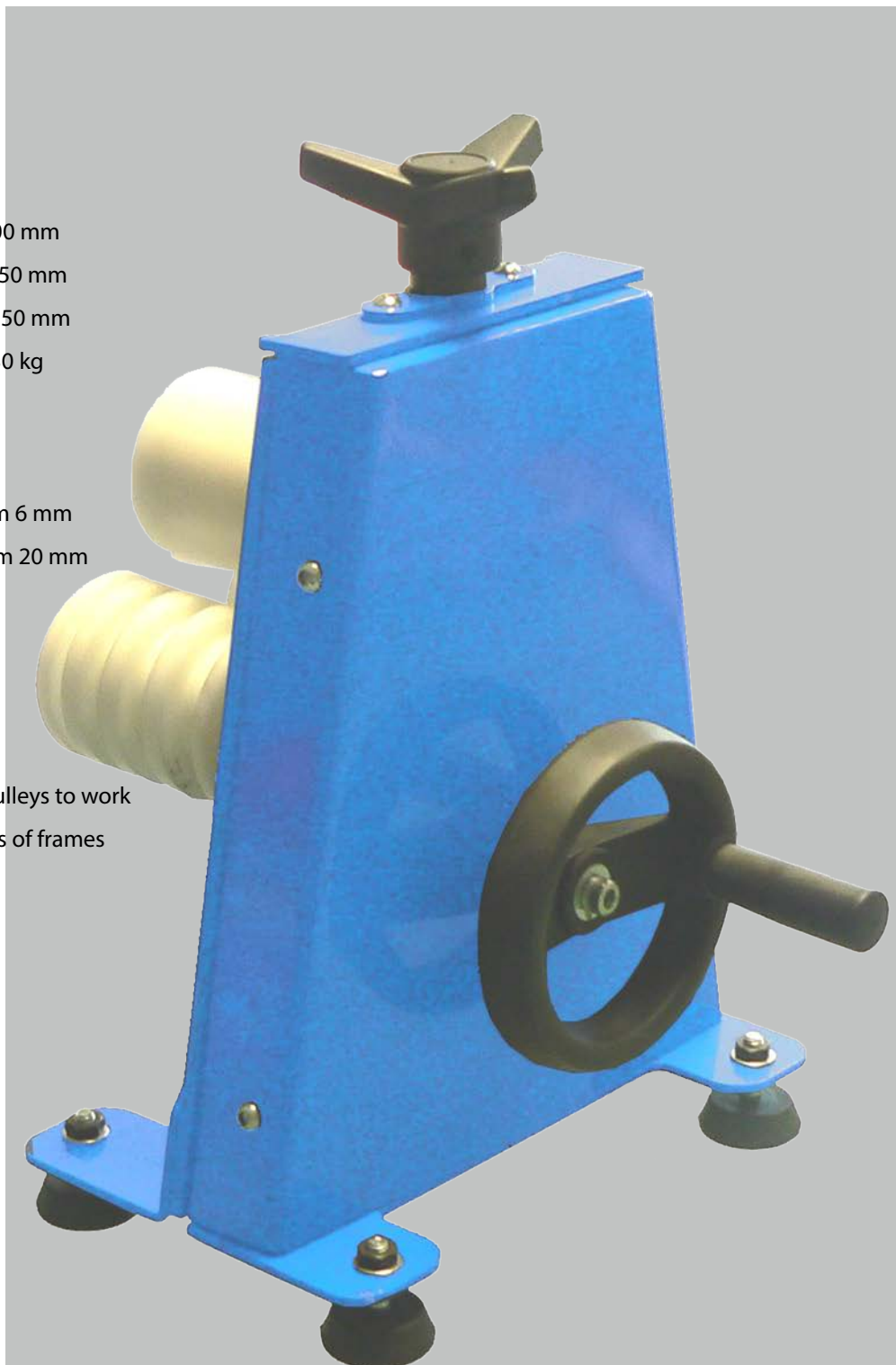
- Width 300 mm
- Height 350 mm
- Length 150 mm
- Weight 30 kg

### Workable profile dimensions

- Minimum 6 mm
- Maximum 20 mm

### Optional

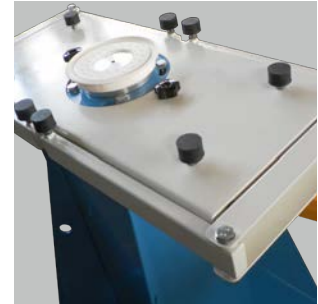
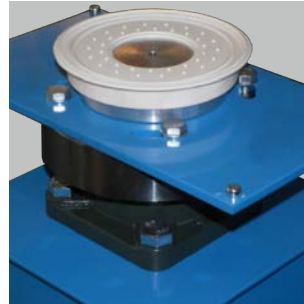
Additional pulleys to work different sizes of frames



## Rotating table for the last sealing of the IG panels



- Working table dimensions:  
Max./Min. width 2250/750 mm
- Max./Min. length 1000/350 mm



#### Dimensions of the machine:

Height 1030 mm

Total weight 110 Kg

- Suction cup features:

Diameter 140 mm

Tightness 45 Kg a 6 atm

- Glass dimensions

Max. dimensions 2000x1000 mm

Min. dimensions 150x150 mm

Max. weight 80 Kg

- Power supply 220 V 50 Hz
- Installed power 0,2 KW
- Compressed air required Max. 6 bar
- Air consumption 13 lt/min



A simple and reliable machine for the manual secondary seal application of the insulating glass.

Thanks to its extendable arms, it adapts to all the dimensions of glass .

Equipped with a central suction cup and with extendable arms, allowing you to easily switch from glasses of small size to bigger ones, maintaining, for all of them, perfect stability.

The adjustment of rotation speed is electronic set by inverter while a safety pedal controls all the rotation that can be both continuous or a quarter turn .

Even if it is a small machine, the solution with the big thrust bearing permits to obtain a very stable structure with minimum end play while the entire structure is painted using powder coating to avoid any corrosion and to ensure a long life to this machine.

The constant monitoring of air presence in the pneumatic circuit by means of a pressure gauge.

## Desiccant filling machine

Tilting motion and pneumatic operation both ease the filling of desiccant.

Powder coated aluminium and steel made structure for higher resistance to corrosion.

Salt collecting device.

Adjustment of vibration frequency with a flow regulator.

Double lock system of the profile.

Possibility to work simultaneously different profiles of different sizes (max 30 pieces of 12 mm).

Salt filling display.

Air presence controlling the pneumatic unit with a pressure gauge.

Frames sizes to be worked from 60 mm up to 4000 mm.

|                               |            |
|-------------------------------|------------|
| • Compressed air required     | Max. 6 bar |
| • Tank capacity               | 25 kg      |
| • Height                      | 1700 mm    |
| • Length                      | 2400 mm    |
| • Width                       | 350 mm     |
| • Total weight                | 80 Kg      |
| • Air consumption             | 15 l/min   |
| • Noise emission level within | 85 dB (A)  |



This simple machine was built to facilitate the customer's work and minimize the desiccant spill.

Thanks to its tilting structure, it is easy to load desiccant while in the horizontal position.

The great surface of its hopper, can accept up to thirty 12 mm spacers per cycle.

The tank of the desiccant is built with a double clamp to hold the spacers during the tilt and fill processes.

It can contain 25 kg of desiccant and is easy to refill in the horizontal position.

The machine is equipped with a display to monitor the residual quantity of desiccant material of each session of work.

A large diameter pneumatic cylinder lowers and lifts the hopper while the pneumatic vibrations render easy, the filling of desiccant.

The collecting device under the tank and the working cycle of the machine that automatically lowers to an angled position after filling, so that a small amount of desiccant falls back in to the tank, making room for fitting corner keys into the spacers.

It minimizes the waste of desiccant.



Building success is a daily business

## Cutting frame machine model N



- Dimensions:

|                 |            |
|-----------------|------------|
| Width           | 6350 mm    |
| Height          | 1260 mm    |
| Length          | 360 mm     |
| Weight          | 100 kg     |
| Working surface | 890 mm     |
| Arms dimension  | 3000mm*    |
| Blade dimension | Ø 200 Z200 |

- Pneumatic pressure regulator
- Measurement accuracy +/- 0,01 mm
- Compressed air required
- Installed power 1.1 kW
- Power supply 380V 50Hz 3 Phases



Machine for the cutting of the frames for the insulating glass production.

Really simple to use, all the settings can be done from the central position moving an hand wheel and looking to the digital display is it possible to set the length of the frames from 80 to 2800mm with an accuracy of  $\pm 0.01$ mm.

A safety pedal actuates first the stop system of the profile to be cut, and after the blade.

The blade is lubricated at every cycle of work .

The rotation speed of the blade is fixed and it is moved up and down pneumatically with the possibility to have simultaneous cutting of more than one profile (5 pieces of 12 mm).

All the phases of cutting are extremely safe for the user because the blade is completely covered by a steel-made carter.

The structure is made in steel and aluminium powder spray painted for higher resistance to corrosion.



- Pneumatic controlled cutting blade
- Pneumatic joist stopper regulated by pedal
- Cutting measure showed on the display
- Automatic lubrication of the blade at every cutting cycle
- Shaving collecting tank equipped with peep-hole
- Electronic resetting of the machine in case of deterioration of mechanical components
- It is possible to cut more than one profile each cutting
- Simple to use
- Cutting recalibration system
- CE signed
- Powder-coated

## Cutting frame machine model S



- Dimensions:

|                           |                     |
|---------------------------|---------------------|
| Width                     | 6350 mm             |
| Height                    | 1260 mm             |
| Length                    | 360 mm              |
| Weight                    | 100 kg              |
| Working surface           | 890 mm              |
| Arms dimension            | 3000 mm*            |
| Blade dimensions          | Ø 200 Z200          |
| • Measurement accuracy    | +/-0,01 mm          |
| • Compressed air required |                     |
| • Installed power         | 1.4 KW              |
| • Power supply            | 220V 50Hz Monophase |

*\*Other dimensions under request*



Equipped with a wide multilingual touchscreen panel, this machine is really simple to use, and to set.

The software is projected to help the customer to understand immediately the logic of work of the machine, the functions are clearly expressed thanks to the dialog pages, the wide touch screen allows to enter and modify rapidly all the parameters.

The machine gives the opportunity to set different kind of programs of cut depending on the frame to work.

It is possible to import from an EXCEL file a list of different measures of cut connected with their frame parameters, that means, that, after the inlet of the data, the machinery knows exactly what he has to do with each dimension to cut and during the work the machinery automatically choose the working parameters and change the blade speed.

The set of the length of the frames from 80 to 2800 mm has an accuracy of +/- 01/01 mm.

A safety pedal actuates first the stop system of the profile to be cut, and after, the blade.

The blade is automatically lubricated at every cycle of work.

The rotation speed of the blade, controlled by inverter, can be settled and it is moved up and down electronically with the possibility to have simultaneous cutting of more than one profile (5 pieces of 12 mm).

All the phases of cut are extremely safety for the user as because the blade is completely covered by a steel-made carter.

The structure is made in steel and aluminum, powder spray painted for higher resistance to corrosion.

## After sale assistance

Our attention and our help, always.

Thanks to our network, we are able to provide you with the support and presence you need at all stages of the machine's life, helping you to enjoy your work to the fullest.



30

countries where  
we are present

2000

machines sold all  
over the world

24

hours, we are  
always with you

The strong points of all our products is the ease of use, their long life, the limited maintenance required and the high processing quality thanks to the functional design and assembling criteria adopted.

Every day we work to ensure to all our customers the best after sale assistance, from bigger problems to smaller one our first aim is to ensure a long and laborious life at our machines. For that reason, near a fast answer and every assistance every day, we give with our machines a manual really complete with detailed pictures from where the client can understand easily what he needs and if necessary, order the spare parts that his machine needs for its entire life, we ensure providing of all parts in less than 5 labor days.



Note







BATTELLINO S.r.l.  
Località P.I.P. Rivo  
33026 Paluzza (UD) Italia

T. 0039 0433 771714  
MAIL [info@battellino.it](mailto:info@battellino.it)

