



## ***Fermostop***

Single head cutting-off machines



Stop gauge and profile support system with movement of the stop on CN axis and electronic read-out by absolute magnetic band. Equipped with an electronic measurement system that allows to save data on internal memory or transferred in real time to a PC or to the control unit of a miter saw via Bluetooth. It allows machining with high accuracy and repeatability of positioning.



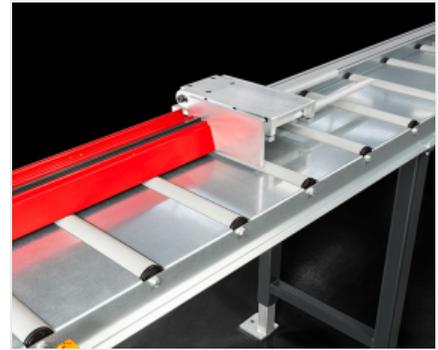
### Cutting-off machine connection kit

The support and measuring system can be combined with a wide range of machines. Through special steel bracket, the mechanical connection to the cutting machine is made precisely and rigidly.



### Roller

The profile is conveyed on rollers with a diameter of 50 mm that allow it to slide and position efficiently, avoiding surface damage.



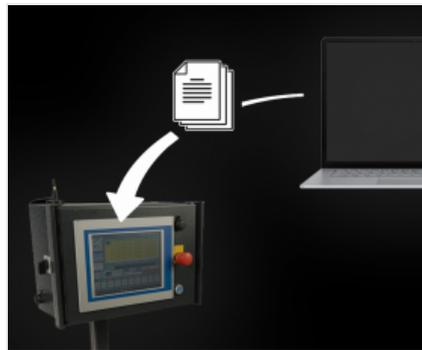
### Reference stop

Reference is ensured by a mobile stop positioned on a carriage running on a linear axis. Positioning is ensured by a toothed belt protected from swarf, controlled by servodrive, which by means of a planetary gear allows accurate positioning of the length of the workpiece to be cut with a precise reference on the centre of the blade.



### Control

Through a tested PLC, it is possible to perform the preparation of cutting lists, then allowing the repositioning of the stop sequentially and automatically. The interface uses a 10.4" touch-screen display and software that allows manual data input or, alternatively, import from an external source.



### Enabling the import of cutting lists

The machine is preset to import cutting lists created by dedicated software. Processed files can be imported directly from a PC or mobile devices via standard interfaces, namely: USB, LAN, WLAN, RS232.



### Electronic glazing bead gauge

Instrument for measuring the length of glazing bead profiles. It can detect dimensions in two measuring ranges: 150 mm to 2350 mm and 803 mm to 3000 mm. You can switch from one range to the other at any time by pressing a button, thus obtaining a single wide work area from 150 mm to 3000 mm.





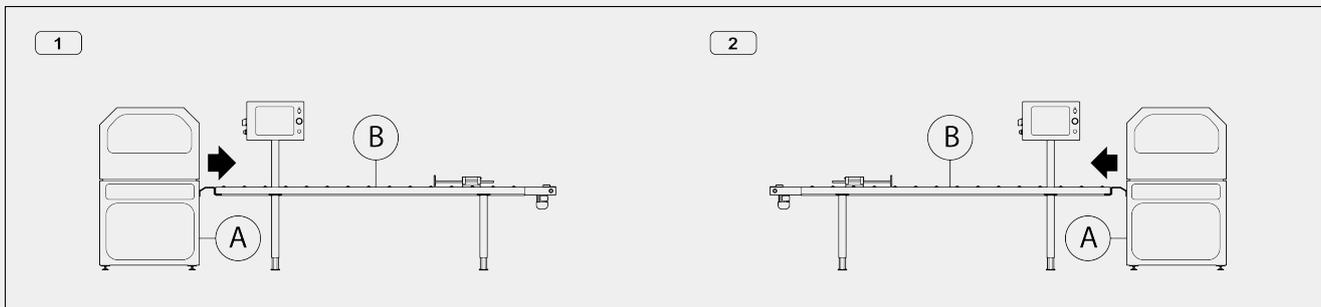
**FERMOSTOP / SINGLE HEAD CUTTING-OFF MACHINES**

**MACHINE CHARACTERISTICS**

|  |               |
|--|---------------|
| Electronic control of the X axis   | ●             |
| Plastic or steel rolls on roll-bearings  | ●             |
| Driven by servodrive with planetary gear   | ●             |
| Max. stroke (mm)   | 3.000 ÷ 7.000 |
| Rollers width (mm)   | 300           |
| Rollers diameter (mm)  | 50            |
| Max loadable profile weight (kg/m)   | 100           |
| Roller pitch (mm)  | 200           |
| Rolls number on roller conveyor  | 15            |
| Conveyor plane height (mm)   | 850 ÷ 1.030   |
| Support feet number  | 2             |
| Detection of moving stop position through direct measuring system with magnetic band | ●             |
| Lifting stop   | ●             |
| Positioning accuracy (mm)  | ± 0,1 (*)     |
| Tolerance on repeatability of measurement (mm)                                       | ± 0,1 (*)     |

(\*) The machine does not have a thermal deformation compensation system. The reported information refers to a temperature of 20°C

**LAYOUT**



1 - Left version - right side of the machine

2 - Right version - left side of the machine

A - Cutting-off machine  
B - Stop gauge

**COMMAND FEATURES**

|  |   |
|--|---|
| PLC with integrated graphic colour display 15" | ● |
| USB ports                                      | 1 |
| Loading and managing of cutting lists          | ● |
| Connection of cutting cycle progress signal    | ● |
| Lan card WLAN                                  | 1 |
| RS232 ports                                    | 1 |
| Graphic operator interface software            | ● |
| Touch screen functions                         | ● |
| RJ45 network card                              | 1 |

**ELECTRONIC MEASURING TOOL FOR GLAZING BEADS**

|  |             |
|--|-------------|
| Minimum measurable length (mm)             | 150         |
| Maximum measurable length (mm)             | 3.000       |
| Resolution (mm)                            | 0,1         |
| Accuracy (mm)                              | ± 0,1       |
| Nominal operation duration (hours)         | 150         |
| Data recovery on internal memory           | ●           |
| Data transfer via Bluetooth                | ●           |
| Reference points for relative measurements | ●           |
| Power supply batteries                     | 4 x 1,5V AA |

Included ● Available ○