# FERMOMATIC (PS)

AUTOMATIC POSITIONING


Stop gauge and profile support system with brushless motor controller positioning of the positive stop and electronic read-out by absolute magnetic band. Available in a 4.200 mm version with high positioning accuracy and repeatability.

**Emmegi S.p.A.**
Via Archimede, 10
41019 - Limidi di Soliera (MO)
ITALY

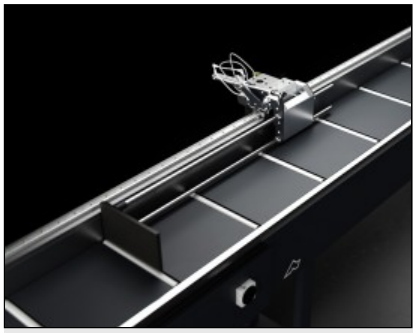
Tel +39 059 895411
Fax +39 059 566286
P.Iva/C.Fisc 01978870366
info@emmegi.com
www.emmegi.com

## Connection to the machine

Thanks to a set of adjustable steel brackets and a wide height adjustment range, the mechanical connection can be made precisely and rigidly to all cutting machines in the range, as well as to other products available on the market.

## Roller

The profile is conveyed on steel rollers installed on robust ball bearings, ensuring smooth movement and preventing surface damage.



## Reference stop

The carriage carrying the reference stop moves along recirculating ball bearing slides and guides, driven by a brushless motor with CNC-controlled positioning. This allows the exact length of the workpiece to be set with reference to the centre of the blade.

## Control

The control panel consists of an operator console equipped with a PLC and an integrated 7” colour TFT WVGA graphic display. This enables cutting lists to be created directly on the machine, allowing the stop to reposition itself sequentially and automatically. Cutting lists can also be prepared remotely and transferred to the machine via USB port or LAN connection.

## Printer preparation

The machine is prepared for the installation of a printer that can be selected from compatible models. The set-up includes software enabling for the label printing function, mechanical support elements for positioning on the machine, wiring and preparation for electrical connection, and a folding cover to protect the printer from shocks and possible entry of swarfs.

## Label printer with peeling device

Label printer with peeler allows each cut part to be identified with geometric and management characteristics from the cutting list. In addition, barcode printing enables easy identification of the profile itself, which is particularly useful for subsequent machining steps on Machining Centres or assisted assembly lines.

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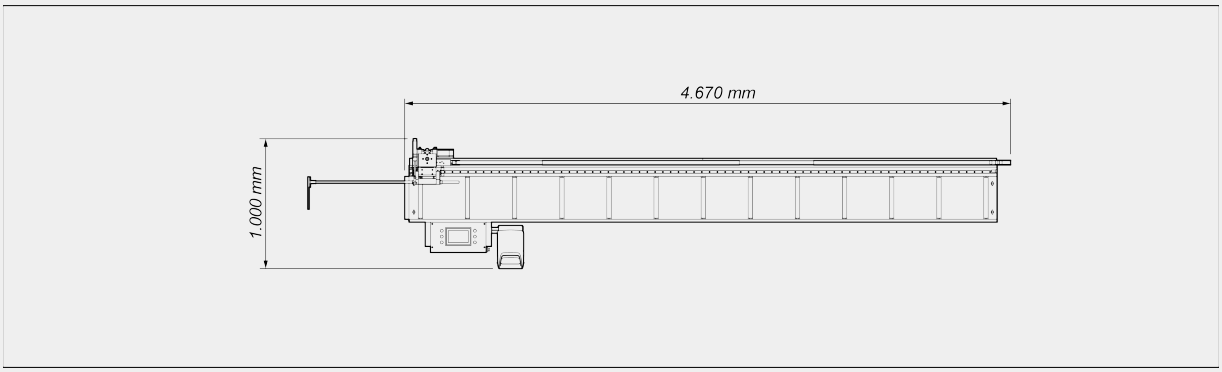
## **FERMOMATIC (PS)** / AUTOMATIC POSITIONING

### LAYOUT




### MACHINE CHARACTERISTICS

| | |
|---|---|
| Electronic control of the X axis | ● |
| X axis positioning speed (m/min) | 20 |
| Steel rolls on roll-bearings | ● |
| Rollers width (mm) | 310 |
| Max. stroke (mm) | 4.200 |
| Max loadable profile weight (kg/m) | 30 |
| Maximum total load (kg) | 120 |
| Fixed-pitch roller conveyor (mm) | 363 |
| Rolls number on roller conveyor | 13 |
| Conveyor plane height (mm) | 950 ÷ 1000 |
| Conveyor plane height for SCA/E (mm) | 1.100 |
| Support feet number | 3 |
| Detection of moving stop position through direct measuring system with absolute magnetic band | ● |
| Positioning accuracy (mm) | ± 0,1 (*) |
| Tolerance on repeatability of measurement (mm) | ± 0,1 (*) |
| Total weight (Kg) | 350 |

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

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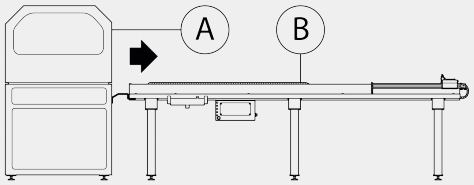
## VERSIONS




Left version - right side of the machine

A - Cutting-off machine
B - Stop gauge

## COMMAND FEATURES

| | |
|---|---|
| PLC with integrated 7” WVGA colour TFT graphic display | ● |
| Graphic operator interface software | ● |
| Touch screen functions | ● |
| Mass memory: 2 GB onboard | ● |
| Connection of cutting cycle progress signal | ● |
| Preparation for label printer connection | ● |
| Protective cover of the printer | ● |
| Label printer with peeling device with a speed of 150 mm/sec | ● |
| USB ports | 2 |
| RJ45 network card | 1 |

Included ● Available ○

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