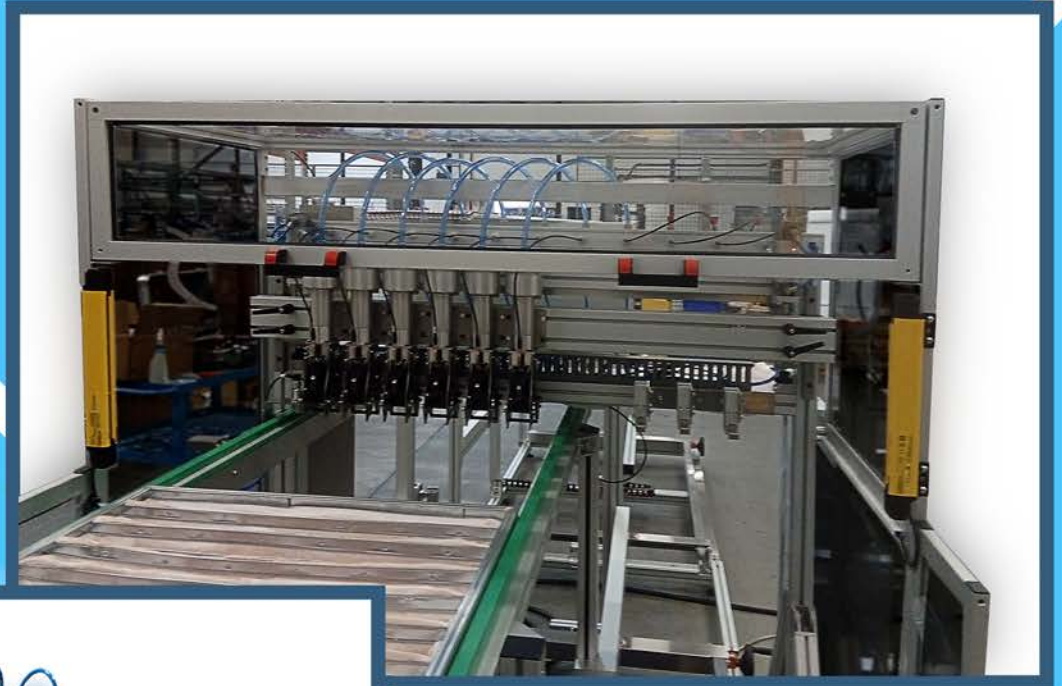


Automatic Clinching Machinery

- ELCM Pro/m



- ELClinch AX



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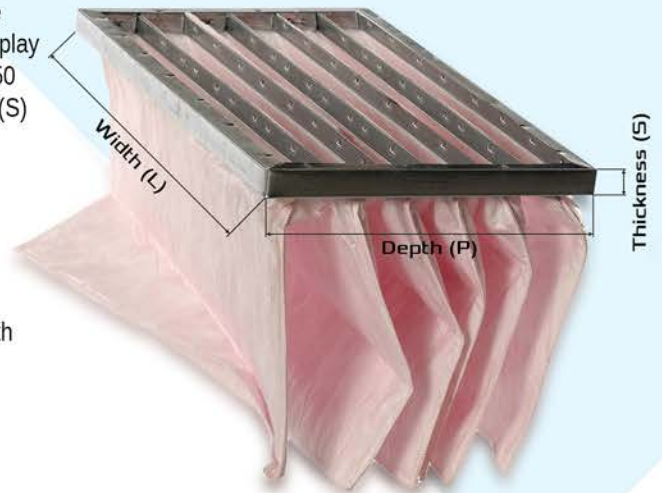


Automatic clinching machinery for *SOFT POCKETS FILTER*

ELIMONT automatic units can be equipped with up to 9 clamps of clinching of the main brands available on the market and are assembled and shipped in a plug & play configuration. They are designed to work with frames of variable width (L) from 250 mm to 900 mm, adjustable by handwheel with numerical indicator, and thickness (S) between 20 mm and 30 mm. All new ELIMONT models are equipped with the AutoDetection system, which allows the loading and processing of frames with variable depth (P) and pockets's number, even mixed together, without needed configuration by the operator.

For a more precise and solid joint, ELIMONT units are supplied with collets pneumatic approach of the laminations, activated before the clinching phase. The multilingual 7" touch screen panel presents an improved user experience, with multiple integrated features including:

- predisposition of loading / unloading modules
- digital speed regulation of the conveyor belts
- management of the cleaning blow on each gripper
- alarm diagnostics and piece counter



Automatic operation

With the machine in stand-by, the operator places the pre-assembled filters in the loading area. The sensors detect the presence of the frames, which it come automatically transported under the work area. Once the correct position has been established, the clinching head descend and make the joint. The frame proceeds towards the rear of the machine until it reaches the next row of laminations to be joined, and so on until the sections are completed. The filter, now fixed, is transported to the unloading area while a new frame advances and the cycle repeats. If frames accumulate in the unloading area, the machine returns to stand-by until the operator removes the completed filters.

TECHNOLOGY at your service



Control panel

with simplified controls and 7" multilingual touch screen display, for quick and total check of the machine status.



Optical fence

for the immediate stop of the machine in case of intrusion, upon completion of the safety devices such as a sensitive mat and protective casing limit switch.



Digital width detector

of the processing filter frame.

ELIMONT CLINCHING MACHINERY: the right solution for every need

The rapid and continuous growth of the world of filtration has made it necessary to develop automation systems capable of coping with the ever increased demand for filter units. Models, sizes, field of use and technical specifications are almost unlimited, which is why ELIMONT has created two extremely versatile islands, able to satisfy any construction requirement.

ELCM Pro/m



Absolute speed

- Up to 9 clinching head
- Rapid head mounting / removing system
- Fast clinching distance regulation
- Compatible with loading / unloading extension module

Taking advantage of the greatest number of grippers operated at the same time, this model is able to join the laminations of each section in a single working step, maximizing the speed of filter completion.

ELClinch AX



Flexibility and savings

- Motorized axis for lateral movement of the grippers
- Up to 2 quick assembly clinching heads
- Digital setting of the distance between the joints
- Compatible with loading / unloading extension module

One clamp, many points! Thanks to the lateral movement through a motorized axis, it is possible to configure the clinching distance from the panel. The number of grippers limited to two allows for a drastic reduction in installation / maintenance costs.

ESSENTIAL Design

Solid and at the same time light, thanks to the reinforced aluminum structure, all ELIMONT machinery are designed to best respond to the different types of filters to be processed. In particular, the raised worktop allows you to load soft pockets filter with a maximum height of 970 mm, as well as ensuring a comfortable working position for the operator.

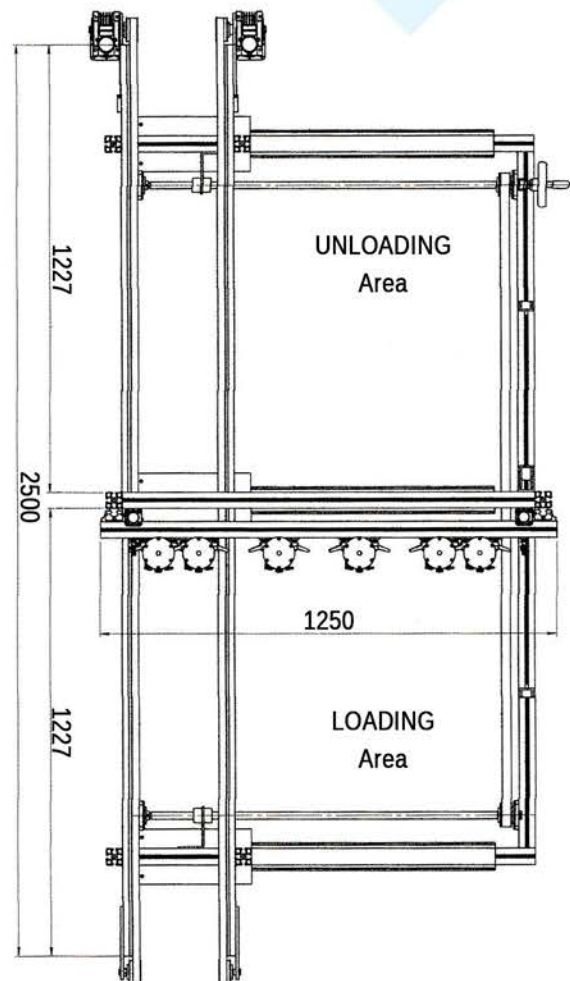
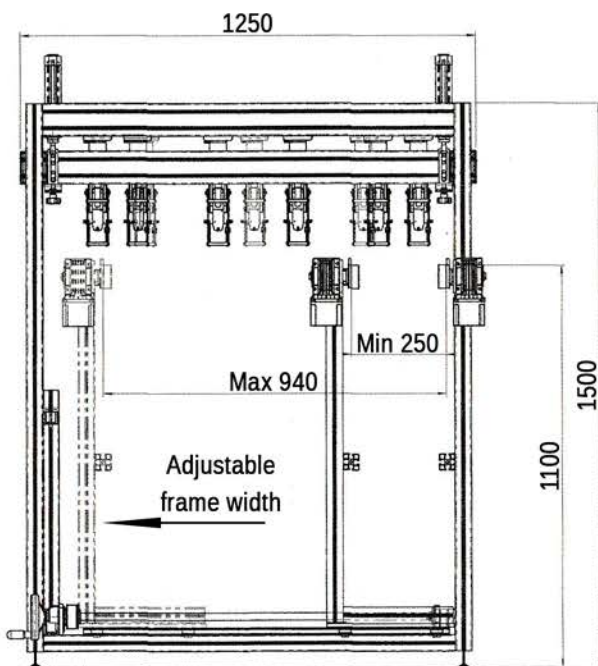
The block design allows the quick installation of the optional loading and unloading modules, particularly useful in order to minimize the time of staff stay/waiting.

General technical *CHARACTERISTICS*

Approx. Weight	250 Kg
Voltage Supply	Single Phase 220 V @ 50 Hz + PE
Power Supply	1.5 KW
Compressed Air Working Pressure	6 bar
Min. / Max. Frame Width (L)	250 mm / 900 mm
Max. Frame Depth (P)	1000 mm
Min. / Max. Frame Thickness (S)	20 mm / 30 mm
Max. Filter Pocket Height (H)	970 mm

The clinching joint and head specifications vary according to the chosen model. Please refer to the Manufacturer's catalog for the technical data.

Overall *DIMENSION*



All dimensions are expressed in millimeters and refer to real working dimensions of ELIMONT's clinching machines.
The overall dimensions of the protective casings are excluded, which vary from model to model.