

ELECTRONIC STRAIGHTENER-FEEDER

MODEL	EMAE 45/200	EMAE 45/300	EMAE 45/450
Max width (mm)	200	300	450
Max thickness (mm)	2.5	2.5	2.5
Max feeding section 600 mm ²	200 x 2.5	300 x 2	450 x 1.4
∅ Rollers (mm)	45	45	45
No. of straightening rollers	7	7	7
Advance accuracy (mm)	± 0,1	± 0,1	± 0,1
Speed in continuous (m/min)	45	45	45
Height adjustment (mm)	± 50	± 50	± 50

(Other widths and thickness available under order).



The EMAE-45 electronic roller straightener-feeder is ideal for the cyclical feeding and straightening of material in coils. The Motion-Drive electronic control system allows precise positioning of the strip in feeding processes with repetition of the same feed length. Easy to install and simple to program, assembly and commissioning can be carried out by the same user company quickly and safely.

MACHINE FRAME

- Mechanized steel frame, mounted on a press fixing bracket with hydraulic-manual height adjustment in the case of working with dies of different height.

TRANSMISSION

- Maintenance-free AC servomotor, with built-in resolver for precise strip positioning.
- Transmission of the driving force to the rollers by means of a reducer and treated gears.
- Transmission of power to the upper roller by a treated gears.
- 'Motion-Drive' digital servo-controller for processes with repetition of the feed length.



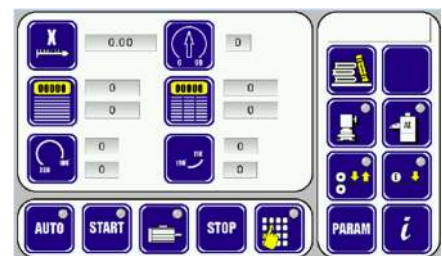
FEEDING AND STRAIGHTENING HEAD

- Two traction rollers and 7 straightening rollers made of treated and rectified steel.
- Manual adjustment of the upper rollers by means of bevel gears and threaded spindles.
- Reading of the straightening penetration.
- Adjustable side guides at the entrance.
- Support rollers at the entrance.
- Adjustable pneumatic system for unclamping and raising the group of upper rollers, to facilitate the introduction of the material and for work with dies with centering pilots.
- Adjustable feeding height +/- 50 mm.
- Support roller track and adjustable side guides at the entrance.

CONTROL UNIT

It contains all the auxiliary electrical equipment necessary for proper operation. Control consisting of a connection cabinet and a programming terminal with a color LCD touch screen.

- External encoder
- Main switch
- Programmable feed length up to 9999 mm
- Programmable speed in %
- Operational parameters
- Diagnosis and display error's messages
- Emergency stop



COLOUR

Frame and fix parts: Black RAL 4006

Protectors and moving parts: Yellow RAL 1028 / Blue RAL5010