

ELECTRONIC ROLL FEEDER

MODEL	AE-3/300	AE-3/450	AE-3/600	AE-3/750	AE-3/1000
Max width (mm)	300	450	600	750	1000
Max thickness (mm)	8	8	8	8	8
Max feeding section (mm ²)	2400	2400	2400	2400	2400
Max width x max thickness	300 x 8	450 x 5.3	600 x 4	750 x 3.2	1000 x 2.4
∅ Feeding rollers (mm)	120	120	120	120	120
Advance accuracy (mm)	± 0,05	± 0,05	± 0,05	± 0,05	± 0,05
Speed in continuous (m/min)	120	120	120	120	120
Height adjustment (mm)	± 75	± 75	± 75	± 75	± 75

(Other widths and thickness available under order).



The AE-3 electronic roller feeder is ideal for cyclical feeding of material on 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.

Optional accessories on request depending on the model: Electronic cam box, 95 shore A polyurethane rollers, special guides for delicate materials, external encoder, lubricant...

MACHINE FRAME AND FIXING PLATE

- Steel frame mounted on a bracket for fixing to the press with manual height adjustment in the case of working with dies of different heights.
Optional: individual rack for AE-3, manual hydraulic regulation...

TRANSMISSION

- Maintenance-free AC servomotor with built-in resolver for precise strip positioning.
- Transmission of the driving force to the drive roller by means of pulleys and toothed belt with zero clearance. Precision reducer.
- Power transmission to top roller via hardened and ground precision spur gears.
- Motion-Drive digital servo-controller for processes with repetition on the feed length.



FEEDING HEAD

- Two drive rollers in treated steel, reduced mass and non-slip treatment. Surface hardness of 60-62 HRC.
- Pneumatic adjustable tread pressure of the rollers on strip.
- Opening of the rollers by means of pneumatic cylinders in synchronism with the cycle of the press for self-centering (pilot release) of the strip in the case of working with dies with centering pilots.
- Manual regulation of the thickness to be worked by means of a pipe wrench from the side and visualization by an analog indicator.
- Support roller track and adjustable side guides at the entrance.



CONTROL UNIT

Separated from the feeder, it contains all the auxiliary electrical equipment necessary for proper operation, as well as the individual protection elements.

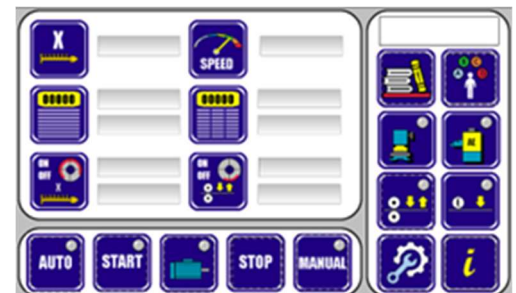
Options: Single step, sequential or multistep.

Electronic control consisting of a connection cabinet and a terminal with a color LCD touch screen.

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

Sequential: Memorization of 100 tools with 25 programming lines

Multistep: Up to 10 tools, memorization of 100 tools with 25 programming lines.



COLOUR

Standard: Black RAL 4006, yellow RAL 1028 and blue RAL 5010.