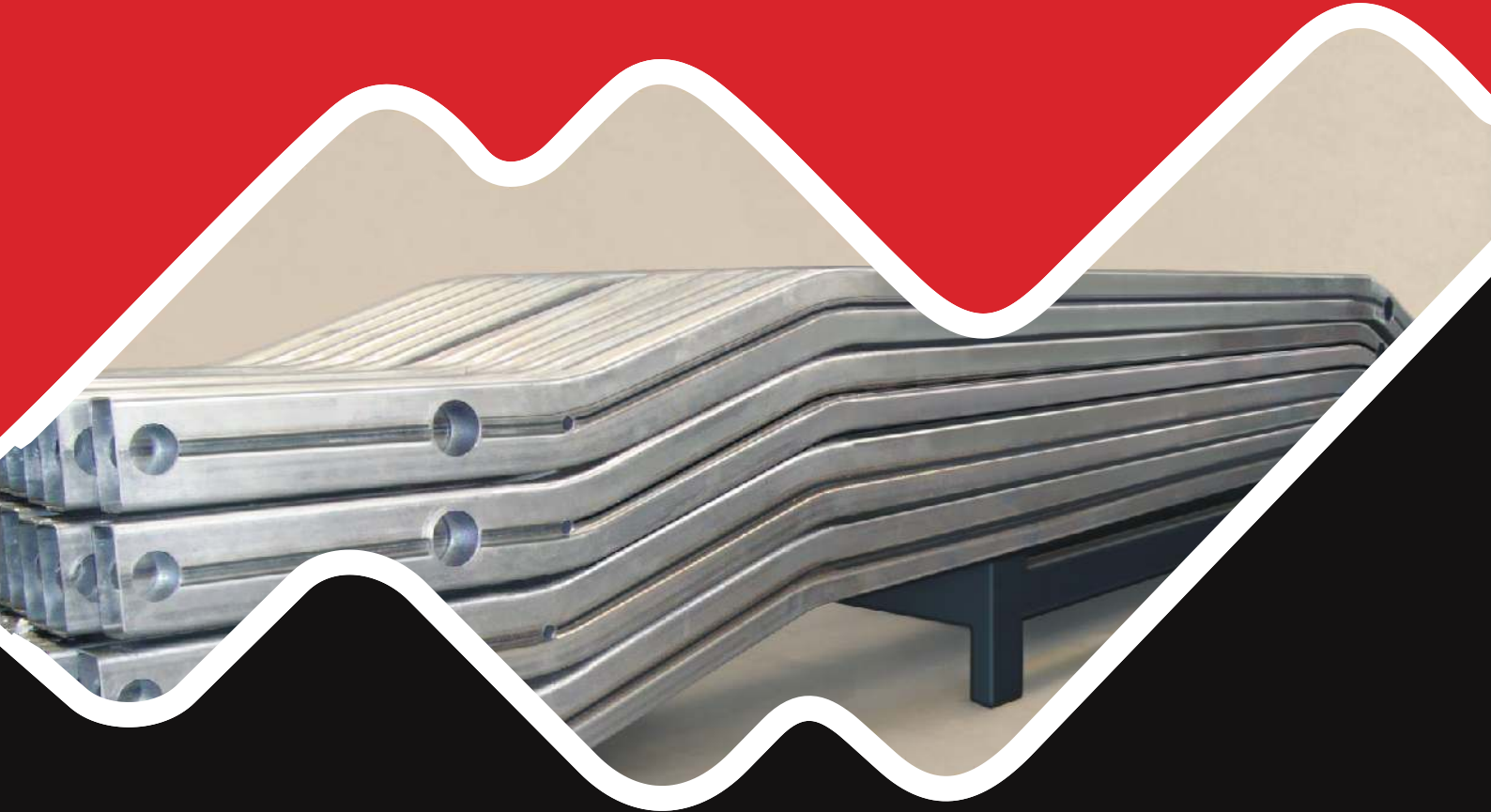


One-stop-shop
for heavy-duty chassis manufacturing

Chassis Manufacturing Equipment



One-stop-shop for heavy-duty chassis manufacturing

Chassis Manufacturing Equipment

Electropneumatics has been doing pioneering work in the field of manufacturing Metal Forming Machines, especially for the production of Chassis Long Members, Cross Members, Tubular Frames and other such heavy structural components for automobiles. These equipment are suitable for not only pressing, embossing and bending, but are also designed to automatically punch holes and slots as required. Besides the machines shown below, special machines for customer specific applications are also available.



Electropneumatics' heavy-duty presses with high tonnages ranging from 500T to 1000T are suitable for heavy pressing of cross members up to 10mm thickness equipped with hydraulic shock absorbers for the punching application.

Cross Member Stamping & Punching Machine



**CNC
Punching &
Blanking
Presses**



Electropneumatics' CNC Punching & Blanking Presses are specially designed with beds up to 12m length and 1½m. width for pressing straight and tapering long members, blanking these plates and punching holes throughout their lengths. The special feature of these presses is that they can be converted into smaller presses of half the tonnage and half the bed length or full tonnage with full length of bed. Tonnages up to 7000T can be provided for heavy pressings.

Features

- Shock absorbers provided for reducing shocks during blanking and punching
- Dedicated punching tools can be supplied for punching all holes in a chassis with a single stroke



CNC Linear Turret Punching & Shearing Machine

Electropneumatics' CNC Linear Turret Punching & Shearing Machine is ideal for plate and channel punching especially when the production quantities are small.

Features

- 4 station turret-3 stations for hole punching and 1 station for shearing & cropping
- Useful for producing small length bus bars from long flats, straight and taper chassis
- Automatic component feeding

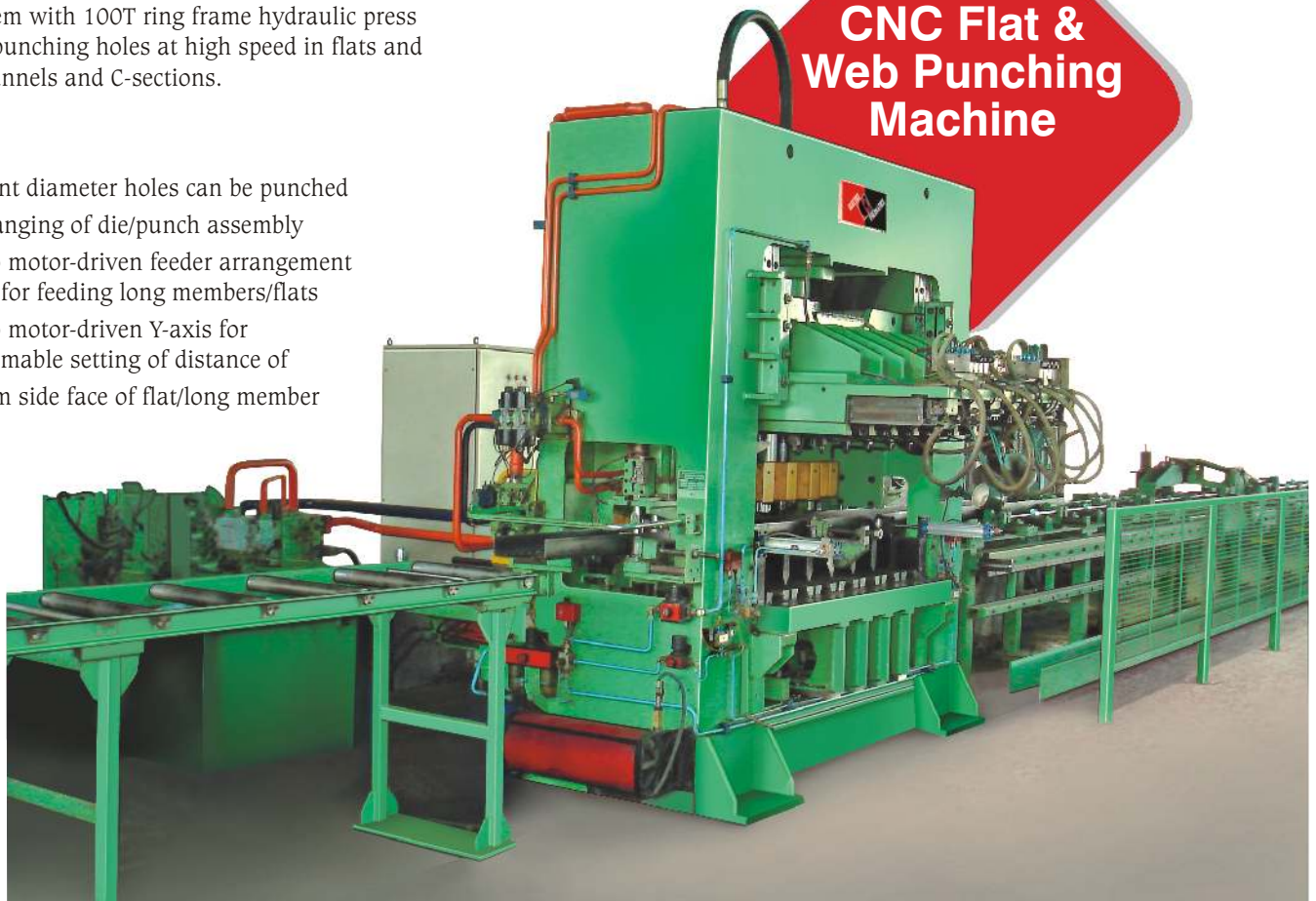


Electropneumatics' CNC Chassis Punching Machines consist of a X-axis feeding system and a Y-axis turret punch system with 100T ring frame hydraulic press capable of punching holes at high speed in flats and webs of channels and C-sections.

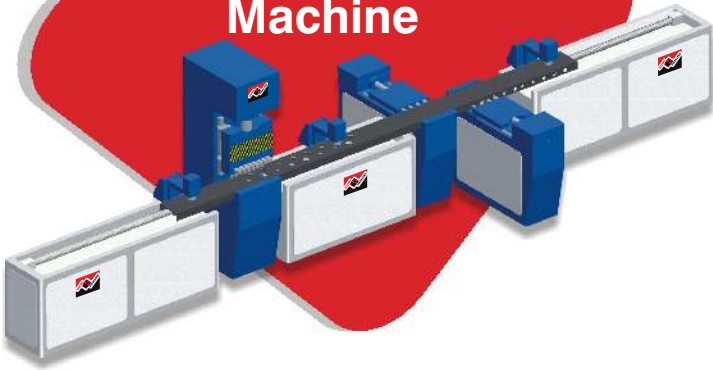
Features

- 8 different diameter holes can be punched
- Easy changing of die/punch assembly
- AC servo motor-driven feeder arrangement (X-axis) for feeding long members/flats
- AC servo motor-driven Y-axis for programmable setting of distance of hole from side face of flat/long member

CNC Flat & Web Punching Machine



CNC Web & Flange Punching Machine



Electropneumatics' extra high speed CNC Punching Machine can punch holes at high speeds, both on webs and LH/RH flanges of a section. This computer operated SPM is therefore ideal for high rate of production of different types of long members and cross members.

Features

- 8 different diameter holes can be punched on the web
- 4 different diameter holes can be punched on each flange
- High speed punching
- Easy die/punch assembly changing
- All axes driven by AC servo motors
- Automatic long members feeding

Electropneumatics' CNC Angle Marking, Punching, Cropping Machines are suitable for punching angle-irons or formed angles (cold rolled) of up to 12m. length and size of 150 x 150 x 150 x 16mm. These are ideally suited for producing marked, punched, as per desired pattern and cut-to-length angle irons for electric tower manufacturing.

Features

- Automatic loading of angles up to 13.5m
- Smooth automatic feeding of angles with in-feed roller conveyor
- Servo motor driven trolley with pneumatic gripper to firmly position the angles
- Automatic angle length measurement
- Automatic marking arrangement
- Precise and automatic punching of holes at pre-determined lengths
- Automatic cropping of angles at any desired length
- Out-feed conveyor capable of handling angles up to 7.5m length with automatic hydraulic tilting arrangement for ejection
- CNC machine controller with colour touch screen LCD monitor and versatile software features

CNC Angle Marking, Punching & Cropping Machine



CNC Plate & Angle Punching Machine



Electropneumatics' CNC Plate & Angle Punching Machines are available for punching of holes in plates, angles and profiled sections. Available in 40T to 80T capacities.

Features

- X-Y Motorised table for automatic handling and punching of plates
- Adjustable slide stroke for different thickness of the workpiece
- Punch and die holders provided optional to suit different types & sizes of the workpiece

Electropneumatics' Tube/Section Benders can bend square, rectangular or round tubular sections of chassis long members of jeeps, trucks and commercial vehicles.

Features

- Programmable bend angle setting
- Special toolings to get good bend quality

Chassis Bending Machine





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