TECHNICAL CHARACTERISTICS

MODEL | P83 E | P113 E
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Punching capacity
Throat depth mm | 500 | 800
Maximum punching capacity throughout the entire stroke and available on all punches kN | 800 | 1100
Material thickness with standard tools MIN mm | 4 | 4
MAX mm | 25 | 25
Maximum diameter mm | 46 | 46
X and Y axes positioning stroke mm | 1000 x 500 | 1000 x 800
Maximum plate weight at a standard positioning speed Kg | 230 | 230
Maximum plate size with programmed repositioning (on the length) mm | 500 | 800
Punches no. | 3 | 3
Punching max. thickness with shear strength 400N/mm² dia. max. through mm | 32 x 20 | 35 x 25
Optional
Drilling capacity
Monospindle drill head with a spindle rotation motor
Maximum plate thickness mm | 40 | 40
Maximum hole diameter mm | 40 | 40
Motor kW | 7.5 | 7.5 (19)
Spindle speed constantly adjustable by the programme RPM | 180 ÷ 2200 | 180 ÷ 2200 (3500)
Marking capacity
Available marking force kN | 800 | 800
Marking tool no. | 1 | 1
Characters per group no. | 8 | 8
Size of characters (Ficep 31) mm | 16 x 8 | 16 x 8

Please review FICEP’s terms and conditions of sale and its machine tolerances that appear in its transactional documents which will be furnished upon request. All the specifications on this catalogue are mere indicative and not binding for the manufacturer. The above mentioned data refer to R=45 kg/mmq material. Dimensional tolerances of the raw sections are to UNI 5783-5784/73 standards.
Hydraulic punching machine of the C-frame type, fitted with a tool having three selectable punches. Each punch has a punching force of 800 or 1100 kN throughout its entire stroke.

One-piece steel frame containing the electric system with auxiliary pushbutton, the hydraulic system complete with power pack, the pneumatic system and the Ficep Pegaso CNC. The punching machine is supplied ready to work and does not require installation.

- Plate clamping system, self-adjustable to suit the plate thickness, used for both stripping during punching, and for repositioning of the pinchers
- When required, the machine can also be fitted with a drilling unit and/or a marking tool
- Coordinate table to position the plate in the working area, complete with:
  - Positioning system on the two axes of the plate holding carriage, complete with ball screws and servo motors
  - Plate holding carriage fitted with two pinchers
  - Zero plate reference unit
  - Supporting table with balls to support the workpiece during processing
  - Plate clamping pinchers, hydraulically controlled, to clamp both plates

Pegaso is the new generation CNC for Ficep machines. PC, CNC and PLC are all integrated on a single board, to have the maximum reliability. Pegaso is based on field bus technology: CanBus and EtherCAT, with up to 32 axes controlled.