



STEEL CONSTRUCTION MACHINERY | PLATES

P

The P lines series includes automatic punching and drilling lines for plates up to 80mm thick. These compact lines are made of a sturdy C-frame which guarantees processing accuracy and long term reliability. The punching line model can also perform drilling and marking operations. The high speed drilling line model instead can also mark, tap and scribe the plate for welding layout marking.



PROCESSES

PUNCHING

DRILLING

MARKING

COUNTERSINKING

TAPPING

SCRIBING

FEATURES

PUNCHING UNITS

The P lines are equipped with three selectable punches having full force on the entire stroke. A self-adjustable clamping system keeps the plate in position avoiding stripping during punching.

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A max 19 kW drilling head is available on the punching lines. The plate drilling lines is instead supplied with a direct drive high-speed 27 kW drill head with 8 positions automatic tool-changer.

MARKING

Marking of parts is possible with marking tool, mounted in place of one punch, or with disc type marking unit for the plate drilling model.

SUPPORTING TABLE

A roller balls coordinate table is supporting the workpiece during processing offering easy repositioning.

CARRIAGE WITH PINCHERS

The carriage moves thanks to ball screw drives allowing plate repositioning. Hydraulically controlled pinchers guarantee strong material clamping.

C-FRAME

The one-piece steel frame contains the electric and pneumatic system, the hydraulic power pack and the CNC control unit.

ADVANTAGES

- Multi-tasking lines capable to carry out most common operations required in the steel construction industry.
- Simple but efficient solution with reduced footprint for easy installation.
- Automatic zero reference unit for accurate measurement.
- Clever self-adjustable clamping system to always suit the plate thickness.
- Remote diagnosis is possible through a network connection that allows our service team to perform routine checks.

TECH SPECS

CNC PUNCHING AND DRILLING LINE FOR PLATES - P	P83E
Plate size [max mm]	500 x repositioning
Punching force [kN]	800
Punches [no]	3
Punching diameter [max mm]	46
Punching thickness [max mm]	25
Drilling heads [no.]	1
Drilling tools per head [no.]	1
Drilling diameter [mm max]	40
Drilling thickness [max mm]	40
Spindle power [kW]	7,5
Spindle max RPM	2200

CNC PUNCHING AND DRILLING LINE FOR PLATES - P	P113E
Plate size [max mm]	800 x repositioning
Punching force [kN]	1100
Punches [no]	3
Punching diameter [max mm]	46
Punching thickness [max mm]	25
Drilling heads [no.]	1
Drilling tools per head [no.]	1
Drilling diameter [mm max]	40
Drilling thickness [max mm]	40
Spindle power [kW]	19
Spindle max RPM	3500

CNC PUNCHING AND DRILLING LINE FOR PLATES - P	P27E
Plate size [max mm]	1000 x repositioning
Punching force [kN]	-
Punches [no]	-
Punching diameter [max mm]	-
Punching thickness [max mm]	-
Drilling heads [no.]	1
Drilling tools per head [no.]	8
Drilling diameter [mm max]	40 (50)
Drilling thickness [max mm]	80
Spindle power [kW]	27
Spindle max RPM	3500

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