



MAIN OPTIONS

DRILLING UNIT

This unit enables drilling of holes, as an alternative to punching, up to a max. diameter of 40 mm. The unit is completely integrated into the system's working cycle and is supplied complete with:

- "Direct Drive" Spindle rotation motor
- Sensitive, self-controlled speed change unit for fast approach, work preset speed, fast retract
- External and internal mist coolant system for drill spindle tools

MARKING TOOL

Marking tooling can be inserted into one position of the multiple tool punch holder. In just seconds the punch tooling in one station can be replaced with the marking tooling for part identification. The mark which is produced in seconds is deep enough to be readable after painting and galvanizing.



TECH SPECS

CNC PUNCHING AND DRILLING LINE FOR PLATES - P	P83E	P113E
Plate size [max.mm]	800 x repositioning	800 x repositioning
Punching force [kN]	800	1100
Punches [no.]	3	3
Punching diameter [max.mm]	46	46
Punching thickness [max.mm]	25	25
Drilling heads [no.]	1	1
Drilling tools per head [no.]	1	1
Drilling diameter [max.mm]	40	40
Drilling thickness [max.mm]	40	40
Spindle power [kW]	7,5	19
Spindle speed [max.RPM]	2200	3500

Please review FICEP's sales terms and conditions and machine tolerances as per specific documentation that can be supplied upon request. All the specifications on this catalogue are merely indicative and not binding for the manufacturer. The raw material mentioned on this catalogue are in accordance with the following standards: UNI EN 10025 for technical conditions; UNI EN 10029 for dimensional tolerances; UNI EN 1090 - UNI EN 9013 for pieces execution tolerances.



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P83E and P113E

CNC plate punching lines for heavy plates



P83E and P113E CNC plate punching lines for heavy plates



Both hydraulic models feature a C-frame type construction that contain a triple gag punch attachment that always positions the selected tool directly under the hydraulic ram to eliminate side loading. The hydraulic punching force of kN 800 or 1100 kN is available throughout the entire stroke.

The one-piece steel frame construction also contains the hydraulic power unit and complete electrical system with the CNC control. This single unit construction simplifies installation as only power and air needs to be connected to implement the installation.

- The hydraulic stripper automatically adjusts to the material thickness being processed during the clamping, punching and stripping functions. This hydraulic clamp also secures the material during the repositioning function of the material clamps to process longer parts.
- As an option, both models can be furnished with an optional drilling station and marking tooling.
- The material support table that is used to position the plate in the "Y" axis is complete with:
 - Ball screws and servo motors to accommodate two axis positioning.
 - Dual hydraulic material clamps that automatically adjust to the plate thickness being processed.
 - Zero plate referencing system.
 - Ball transfer to support two axis positioning of the material being processed.



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.



Automatic scribing tool



Material clamps



Play video