



STEEL
CONSTRUCTION

ANGLES & FLATS
BEAMS & PIPES
PLATES
SURFACE TREATMENT
ROBOTIC WELDING
SOFTWARE & AUTOMATION

TIPO B

Automatic CNC punching & thermal cutting
systems for heavy plates





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TIPO B systems have proven to be some of the most innovative solutions for the fabrication of plates in various diverse industries. This comprehensive solution for the fabrication of plate is achieved by the complete integration of multiple operations within one CNC work center.

The TIPO B product line has been designed to integrate all the typical functions that are required for plate fabrication. The ability to start with raw material and end with the finished part including such operations as drilling, milling, punching, marking, scribing and thermal cutting the part to the desired size and shape is what makes the TIPO B truly unique.

An optional high performance drill spindle with tool-changer can be included to expand the capabilities of the Tipo B systems.

The system can be provided with a complete range of Hypertherm plasma torches in order to satisfy the demands of the client.



Punching unit



4-position automatic punching tool changer



Automatic nesting through dedicated software



Optional drill head with 4-position automatic tool changer



Pegaso is the latest generation CNC for FICEP lines where the PC, CNC and PLC are all integrated into a single circuit board for maximum reliability. Pegaso is based upon a field bus technology using CanBus and EtherCAT for controlling up to 32 separate CNC axes.





The plate positioning is accomplished with a lateral powered material clamping device that positions the material to industry leading tolerances. The hydraulically powered material clamps are driven with a positive rack and pinion system to position the plate to the required precise location.

The infeed and outfeed conveyors are configured to achieve the desired length of plate to be processed starting from the standard length of 6 mt.



Hydraulic lateral grippers



Plasma and oxy-fuel torches





TIPO B164 configured for 1600 mm wide plates

| TIPO B Automatic CNC punching & thermal cutting systems for heavy plates | TIPO B164 | TIPO B254 |
|---|-----------|-----------|
| Plate size [max. mm] | 1600x3000 | 2540x6000 |
| Punching nominal force [kN] | 1000 | 1000 |
| Punching tool [no.] | 4 | 4 |
| Punching diameter [max. mm] | 32 | 32 |
| Punching thickness [max. mm] | 25 | 25 |
| Drilling heads [no.] | 1 | 1 |
| Drilling tools per head [no.] | 4 | 4 |
| Drilling diameter [max. mm] | 40 | 40 |
| Drilling thickness [max. mm] | 100 | 100 |
| Spindle power [kW] | 20,1 | 20,1 |
| Spindle speed [max. RPM] | 4000 | 4000 |
| Plasma torches [max. no.] | 2 | 2 |
| Oxy-fuel torches [max. no.] | 2 | 2 |
| Machine weight [kg] | 8000 | 24000 |

TECH SPECS

Please review FICEP's terms and conditions of sale and system specifications that are in our formal proposal. The manufacturer reserves the right to change specifications and features from those indicated in this brochure. Current specifications and features are part of the formal quotation. 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.



FICEP S.p.A. - HEADQUARTERS

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