



Drawer type marking unit



Disc marking unit

Main optional equipment

- Marking of pieces is possible thanks to the rotating disc marking unit or to the classic drawer-type marking device
- Special tool to allow milling operations on angles edge, complete with relevant tool-holder in special configuration
- Infeed and outfeed cross transfer tables to allow automatic loading/unloading of bars and processed pieces
- Special system with V-shaped supports for the automatic loading of the angles into the infeed idle rolls conveyors
- Infeed and outfeed rollerways of various lengths
- Special tables for left or right unloading of bars and pieces to satisfy all requirements.

TECH SPECS

HIGH SPEED CNC DRILLING LINE FOR ANGLES - RAPID	RAPID 16T	RAPID 20T	RAPID 25T	RAPID 35T
Angle size (410 N/mm ²) [Min. mm]	40x40x4	40x40x4	60x60x6	60x60x6
Angle size (410 N/mm ²) [Max. mm]	160x160x20	200x200x25	250x250x40	350x350x40
Drilling heads [no.]	2	2	2	2
Drilling tools per head [no.]	3 (6)	3 (6)	3 (6)	3 (6)
Drilling diameter [Max. mm]	40	40	40	40
Spindle speed [RPM]	3500	3500	3500	3500
Spindle power [kW]	11 (15)	11 (15)	19 (27)	19 (27)
Cutting unit	Shear (disc saw)	Disc saw (shear)	(Disc saw - Shear)	(Disc saw)

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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 10056-1 - UNI EN 10056-2 for dimensional tolerances; UNI EN 1090 for pieces execution tolerances.



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RAPID

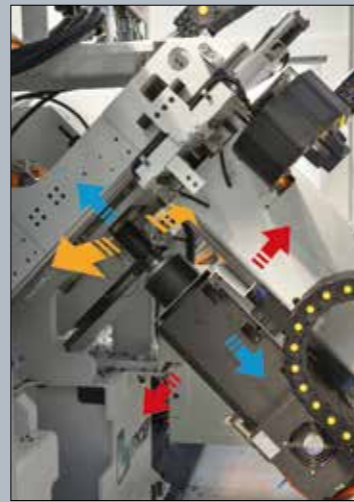
Automatic CNC high speed drilling and cutting lines for angles



The close tolerance limits and the range of angle size set in some contract specifications can easily be handled by the new RAPID high speed drilling lines: they offer high quality, flexibility, accuracy and productivity, and are able to deliver economic processing even on large angle sizes.

Main features

- High speed drilling units equipped with powerful direct drive spindle, having rack and pinion and servo motor feeding system
- The drill units are equipped with 3 or 6 positions automatic tool-changer system for quick tool replacement
- Each spindle is equipped with a 200mm extra stroke on the X axis to perform milling operations and slotting in any direction
- High speed carriage with pincher system for fast and accurate angle feeding through the working units
- Thanks to a laser device positioned on the infeed rollerway it is possible to exactly detect the bar length and position



Complementary axes



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

Cutting operations

The cutting processes available on the RAPID are:

- Single cut shear with special hold-down systems for utmost shearing precision. All shearing blades are manufactured internally to guarantee best quality and longer tool life.
- High speed disc saw for 90° angle cutting with hardened or bonded carbide insert tips.



Hydraulic shearing unit



Circular saw

