Cartridge-type marking unit

38 position programmable marking press

Main optional equipment

- Part identification is possible with either a cartridge-type or programmable marking press.
- A special tool and holder are available to allow milling operations of the angle heel.
- Infeed and outfeed cross transfer tables are available to allow automatic loading/unloading of stock length material and finished parts.
- A special stock length loading system with V-shaped supports is available for the lowering of the next stock length onto the infeed idle conveyor.
- Infeed and oufeed conveyors of various lengths.
- A system of special transfer tables to discharge angles at different lineal positions along the outfeed conveyor to either the left or right as programmed.

TECH SPECS

AUTOMATIC CNC HIGH-SPEED DRILLING & CUTTING LINES FOR ANGLES - RAPID	RAPID 16T	RAPID 20T	RAPID 25T	RAPID 35T
Angle size (410 N/mm²) [Min. mm]	40x40x4	40x40x4	60x60x6	60x60x6
Angle size (410 N/mm²) [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 [Max. RPM]	3500	3500	3500	3500
Spindle power [kW]	11 (15)	11 (15)	19 (27)	19 (27)
Spindle sub-axis stroke [mm]	200	200	200	200
Cutting unit	Shear (circular saw)	Circular saw (shear)	(Circular saw - Shear)	(Disc saw)

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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 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

RAPID Automatic CNC high-speed drilling and cutting lines for angles

The close tolerance requirements and engineering specifications required for many applications can easily be addressed by the new RAPID high-speed angle drilling lines. The exceptional productivity is achieved with spindle sub-axis positioning that is capable of processing offset holes in both legs simultaneously. This unique design makes the Rapid an economical and productive solution even on the largest of angles.

Main features

- The high-speed drilling units are equipped with powerful and efficient direct drive spindles. Positioning is accomplished with servo drives through a rack and pinion system.
- The drill units can be equipped with either a 3 or 6 position automatic tool changer.
- Each spindle is equipped with a 200mm sub axis stroke in the X-axis to perform milling operations, slotting in either direction and drilling of offset holes in each leg of the angle simultaneously.
- A high-speed material positioning carriage driven with rack and pinion achieves industry leading productivity and accuracy.
- A laser-sensing device automatically measures the stock length prior to processing.

Spindle sub-axis positioning

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.

Cut to length operations

Based upon the fabrication application and specification, there are two different cut to length options available:

- A single cut shear with an innovative hold-down system to ensure cut quality. All shearing blades are manufactured internally to guarantee the best quality and extended tool life.
- A circular saw using a high-speed carbide tipped saw blade for 90° angle cutting.

Hydraulic shearing unit

Circular saw

Play video