Hydraulic shearing

Circular saw

CUTTING

The cutting processes available on the RAPID model are either by:

- Hydraulic shear with single cut
- High speed circular saw with carbide blades

MARKING UNITS

The optional hard stamping marking unit is accomplished with the CNC control using either a daisy wheel type or, alternatively, 4 or 8 selectable cassettes, each one including up to 13 characters.

Marking unit

TECHNICAL CHARACTERISTICS

MODELS		RAPID 16T	RAPID 20T	RAPID 25T	RAPID 35T
Drilling capacity					
Min angle size	Inch	1-3/4” x 1-3/4” x 3/16”	1-3/4” x 1-3/4” x 3/16”	2-1/2” x 2-1/2” x1/4”	2-1/2” x 2-1/2” x 1/4”
Max angle size	Inch	6” x 6” x 3/4”	8” x 8” x 1”	10” x 10” x 1-1/2”	14” x 14” x 1-1/2”
Max drilling diameter	Inch	1-9/16”	1-9/16”	1-9/16”	1-9/16”
Drill heads	No.	2	2	2	2
Drilling tools per head	No.	3 (6)	3 (6)	3 (6)	3 (6)
Spindle speed	RPM	3,500	3,500	3,500	3,500
Spindle motor power	HP	15	15	25	25
Connection	Style	ISO 40	ISO 40	HSK A80	HSK A80
Cutting capacity					
Single cut shearing	US Tons	242	495	528	-
Circular saw	HP	10	10	25	25
Marking capacity (optional)					
Daisy wheel marking unit	US Tons	8.8	8.8	8.8	8.8
Marking characters	No.	38	38	38	38
Cassettes marking unit	US Tons	110	110	110	110
Selectable cassette	No.	4 / 8	4 / 8	4 / 8	4 / 8
Characters per cassette	No.	13	13	13	13

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.

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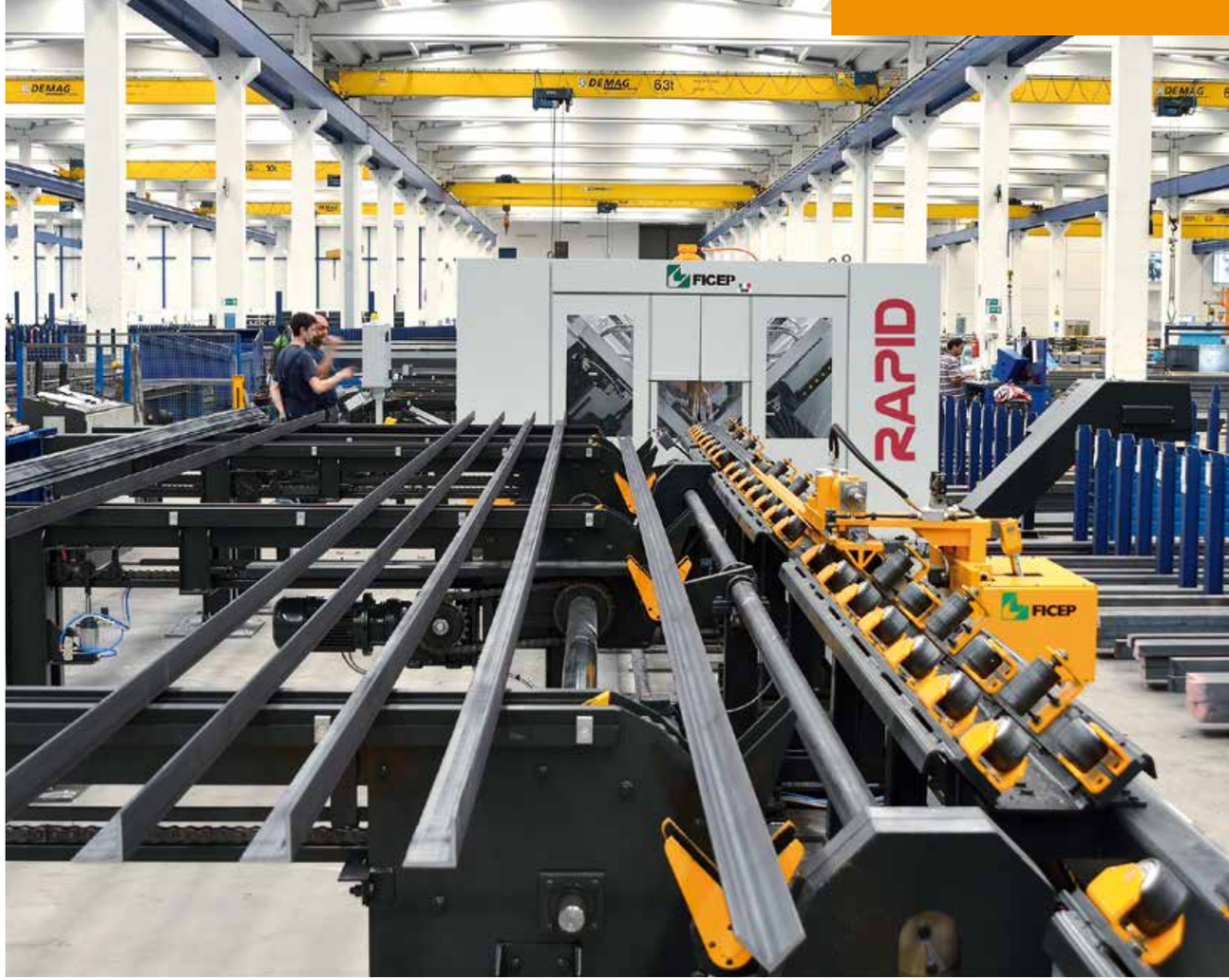


03-2016 Advanced Agency VA

FICEP

RAPID

Automatic CNC Drilling,
Marking and Cutting Systems

FICEP since 1930

MADE IN ITALY

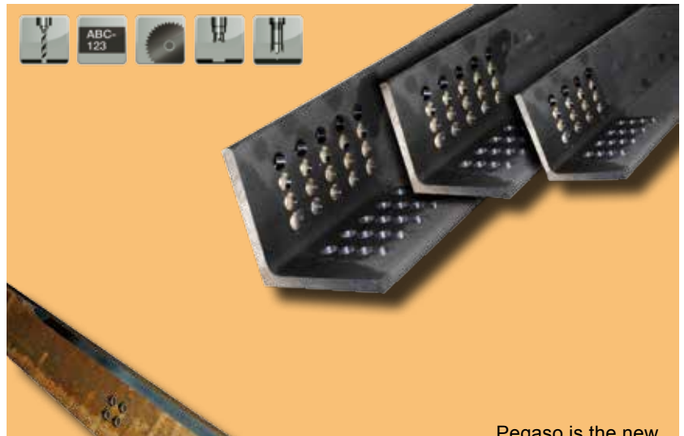
RAPID 16T, 20T, 25T and 35T CNC automatic drilling lines for angles

The NEW Ficep RAPID high speed drilling lines for angles offer exceptional quality, flexibility, accuracy and productivity.
The use of high speed spindles, together with the new generation high performance tools, makes it possible to achieve exceptional cycle times that approach that of punching. The high speed spindle RPM's enables the use of cost efficient Indexable Carbide Drilling tools.

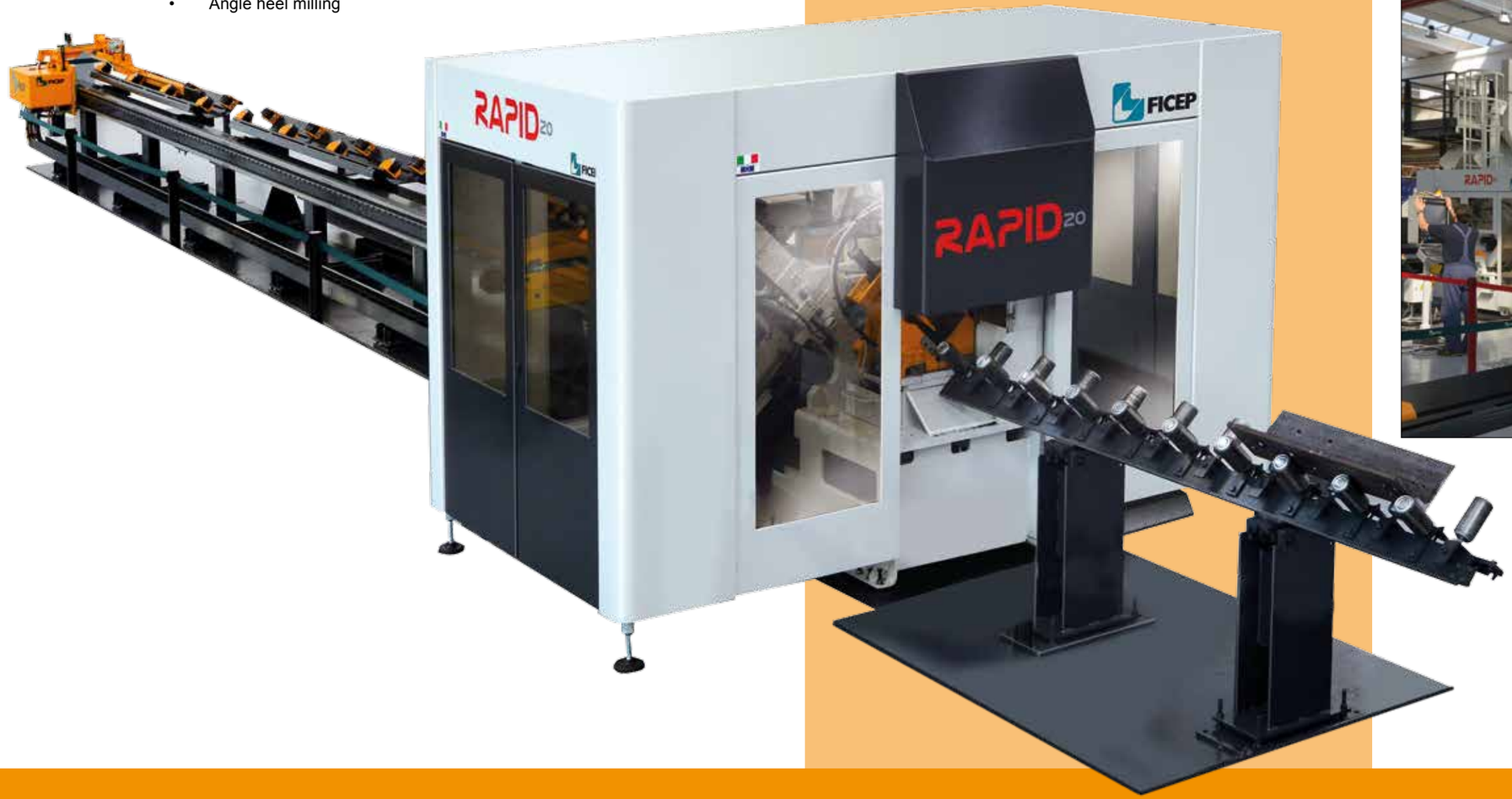
DRILLING UNITS

The two drilling units are equipped with powerful direct drive spindles which deliver the full power to the tool as there is no gearbox to diminish the power to the tool. An automatic tool changer is available with either 3 or 6 positions for both spindles. The spindle positioning and feed are automatically managed by the CNC based upon the tool selected. Linear guides, with servomotors and ball screws ensure maximum precision on every axis. The two spindles are equipped with a sub axis of 7-3/4" that allows independent control of each spindle in the length or "X" axis and the processing of both legs simultaneously. The independent movement of the two sub axes while the angle is stationary maximizes the utilization of each spindle within the stroke to increase the number of holes generated per minute.

- Faster drilling speeds at minimum cost
- New milling features
- High spindle RPM's for faster scribing speed and the use of Indexable Carbide Drilling tools
- Slotting in any direction
- Angle heel milling



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 and simplicity. Pegaso is based on field bus technology: CAN bus and Ether CAT, with up to 32 axes controlled.



The RAPID drilling lines are modular and can be furnished with:

- Scribing or hard stamp marking
- Single cut shearing
- High speed sawing

Those applications that require a high degree of accuracy across a full range of sizes can be economically processed on the RAPID.

The complete automatic cycle including loading and unloading is controlled by the CNC through comprehensive software programs.

The importance of Intelligent Steel Fabrication with automatic material handling cannot be overlooked.

This level of full automation permits the occurrence of multiple operations in masked time without operator intervention.

Once the angles are loaded on transfer stands, they are indexed as needed and automatically loaded onto the infeed conveyor. The automatic process continues with the clamping, feeding and conveying of the angle through the drilling, milling, marking, cut off and unloading processes.