



STEEL  
CONSTRUCTION

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

**XP**  $\mathcal{R}$

CNC punching and shearing lines  
for the processing of angles



**L****XP<sub>R</sub>**

## CNC punching and shearing lines for the processing of angles

The "XP-R" series in the FICEP product line have been created for small and medium size steel fabrication firms. These systems provide flexibility and amazing ease of use so they are extremely capable in addressing diverse applications.

The "XP-R" product range is available with a comprehensive assortment of options so the systems can be configured to address unique applications.

These angle lines are characterized by FICEP's unique roller feed material feeding and measuring system. The operator only has to feed the angle to the start position where the system automatically conveys and positions the angle according to the program.

The roller system designed by FICEP engineers allows for precision with a minimum loss of material.



Quick-change blade holder



38-character programmable rotary marking unit



Angle infeed system with roller



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 diverse "XP-R" product range covers the most popular angle sizes and applications. This diverse range of models, for example, accommodates 1, 2 or 3 diameters per leg all with quick change tool holders.

The FICEP CNC "XP-R" range angle line solution gives you the opportunity to process angles for long bracings, diagonals, webs and clip angle using a traditional consolidated cutting technique of "double cut shear". This incredible shearing technology gives an excellent quality cut by reducing the force needed during such operation and consequently, making the initial investment more affordable.

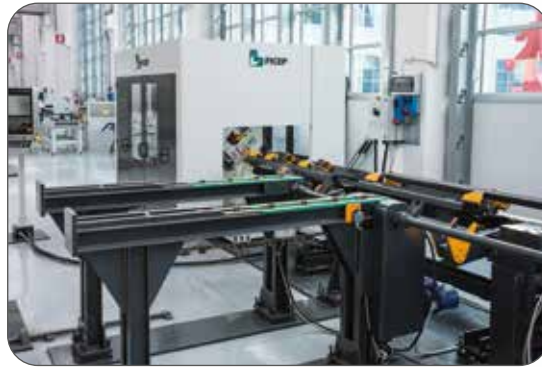


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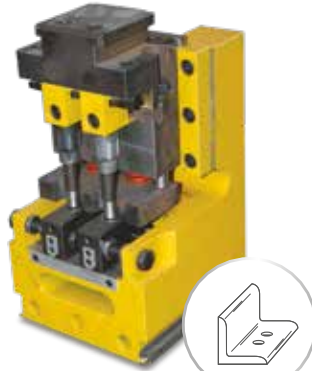


### The most popular options are:

- Infeed and outfeed conveyors of various lengths
- Rotary stock material systems for the automatic loading of angles onto the infeed table
- Daisy wheel style programmable marking unit
- An optional press that can be configured for notching, marking or multiple hole punching



Infeed cross transfer and rotating loading system



XP-R CNC punching and shearing line for angles	XP10R2	XP10R4	XP12R4	XP12R6	XP16R2	XP16R4	XP16R6
Angle size (410 N/mm <sup>2</sup> ) [min. mm]	30x30x3	30x30x3	30x30x3	30x30x3	30x30x3	30x30x3	30x30x3
Angle size (410 N/mm <sup>2</sup> ) [max. mm]	100x100 x13	100x100 x13	120x120 x13	120x120 x13	160x160 x19	160x160 x19	160x160 x19
Diameter per flange [no.]	1	2	2	3	1	2	3
Punching force [kN]	650	650	650	650	800	800	800
Punching diameter [max. mm]	32	32	32	32	32	32	32
Shearing force [kN]	1800	1800	1800	1800	2200	2200	2200

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



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