



STEEL
CONSTRUCTION

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

A & HP

Diverse solutions for large angle fabrication



A SERIES

CNC punching and shearing lines for the processing of angles

The "A" 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 many diverse applications.

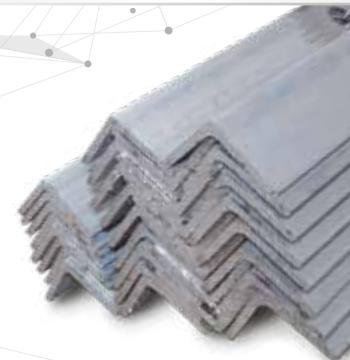
These angle lines are characterized by FICEP's unique roller feed material positioning and measuring system. This system generates exceptional productivity, simplicity and versatility. In addition, FICEP offers a diverse range of A Series models to accommodate 2 or 3 diameters per leg all with quick change tool holders.

The most popular options are:

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



Angles infeed system with rollers



HP SERIES

High performance CNC punching & shearing lines for angles

Those fabricators that demand expanded automation, productivity, and diverse functionality with increased accuracy on longer finished parts find their needs addressed with the HP Series of angle lines. FICEP engineering has addressed, in the HP Series of angle lines, all areas of productivity increases such as a high tech hydraulic circuit that increases its performance by 20%.

Our HP angle lines feature a rack and pinion positioning and measuring system for industry leading accuracy and a unique level of automation where each stock length can be loaded, processed and unloaded as a completed part. The lines can be configured to include such operations as punching, drilling, notching with fixed or programmable tooling, marking and shearing. Some of the most popular options that are available on the various models include:

- ▶ Versions with 2 or 3 different punch diameters on each leg of the angle.
- ▶ Quick-change shearing blades to also process flats and channels.
- ▶ CNC programmable daisy wheel marking unit or indexable cartridge style marker.
- ▶ Drill heads with automatic tool changers.
- ▶ Optional press or presses with interchangeable tools to address additional fabrication requirements.



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.



Some of the most popular options for both the HP and A Series FICEP angle lines include:



A stock length material transfer table with rotary loader can automatically index and load the next stock length as required.



A CNC marking press can be provided to generate the required part number without any character set up.



The ability to generate notches as required can be integrated into the line.



Finished parts can be conveyed and unloaded at programmed location.

A & HP	A CNC punching and shearing line for angles		HP High performance CNC punching and shearing lines for angles		
	A204	A206	HP20T4	HP20T6	HP25T6
Angle size (410 N/mm ²) [min.mm]	40x40x4	40x40x4	40x40x4	40x40x4	40x40x4
Angle size (410 N/mm ²) [max.mm]	200x200x25	200x200x25	200x200x25	200x200x25	250x250x25
Diameter per flange [no.]	2	3	2	3	3
Punching force [kN]	1000	1000	1000	1000	1000
Punching diameter [max.mm]	32	32	32	32	32
Shearing force [kN]	4500	4500	4500	4500	4800

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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