



STEEL
CONSTRUCTION

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



TIPO D50-F

Automatic CNC high speed drilling & sawing line
for flats, angles, channels and pipes



Montfort International Itée

L TIPO D50-F

Automatic CNC high speed drilling & sawing line for flats, angles, channels and pipes

The addition of the innovative TIPO D50-F line extends our technological solutions to address the fabrication of miscellaneous shapes such as angles, flats and channels to a new level.

Prior to the introduction of the TIPO D50-F, the ability to generate a full complement of miscellaneous shapes that included miter cuts, marking, and holes was not possible.

The base system incorporates one or two high performance in line direct drive spindles driven by a 36 HP motor that delivers 100% of the power to the tool, at speeds up to 3,500 RPM.

Each spindle is equipped with a 7-7/8" sub-axis stroke so typical hole patterns can be produced without the need to unclamp, reposition and re-clamp the material for each linear move.

This sub-axis capability, in conjunction with the fact that the two spindles are in line, generates hole patterns in both legs of angles up to 7" simultaneously.

Each drill spindle includes an 8-position automatic tool changer to address diverse applications such as slotting, milling, tapping and more.



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.

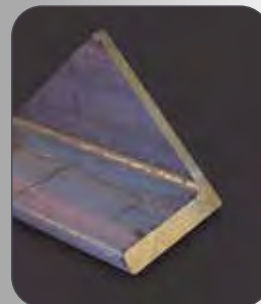




Prior to cutting the part to length, a programmable marking unit can be furnished to automatically generate part numbers for identification.



Angles with full miter cuts on both ends can be processed to generate typical framing structures. The versatility of processing flats up to 20" x 1" is exhibited with its ability to not only cut the part to length but also clip the corners as required.





Stock material positioning and measuring into the TIPO D50-F is accomplished with a positive rack and pinion system. Once the clamping of the material is confirmed, the stock length is automatically measured prior to the start of the fabrication process.



The TIPO D50-F includes a miter-cutting circular saw with carbide inserts for maximum productivity. The saw can position automatically for miter cuts of up to 60° in either direction.

TIPO D50-F Automatic CNC high speed drilling & sawing line for flats, angles, channels and pipes	TIPO D50-F
Flat size [min./max. inch]	2" x 1/4" / 19-5/8" x 1"
Angle size [min./max. inch]	2" x 2" x 1/4" / 7" x 7" x 5/8"
Channel size [min./max. inch]	4" / 12"
Square tube size [min./max. inch]	2-1/2" x 2-1/2" / 6" x 6"
Rectangular tube size [min./max. inch]	2-1/2" x 1-1/2" / 12" x 4"
Drilling heads [no.]	2
Drilling tools per head [no.]	8
Drilling diameter [max. inch]	1-9/16" (2")
Spindle speed [max. RPM]	3,500
Spindle power [HP]	25 (36)
Cutting unit	Disc saw (+/-60° mitering)

TECH SPECS