



CUTLITE PENTA

TUBE F



TUBE F

TUBE F represents the specialized evolution of Cutlite Penta's TUBE system, specifically designed for cutting flat metal profiles. This machine was developed to meet the growing market needs in the flat profile processing sector.

The TUBE F is an automatic system that allows you to obtain a finished part in a single processing cycle. The system enables the processing of flat profiles with widths from 40mm to 300mm and a minimum thickness of 8mm, guaranteeing the speed, quality, and precision of CUTLITE PENTA laser technology.

Materials

You can process flat profiles made of mild steel, alloy steel, stainless steel, aluminum alloys, brass, and copper. The machine manages various types of cutting assist gases: oxygen for iron and mild steel, nitrogen for stainless steel. The CNC controls all operations from loading the bar to unloading the finished pieces, with the ability to process bars up to 50 kg/m in weight and loadable lengths from 6000mm to 8000mm.

Applications

The specialization in cutting flat profiles makes TUBE F particularly effective in sectors requiring processing of linear structural elements, such as metal carpentry, shipbuilding, automotive, and the railway sector. The ability to process profiles with widths ranging from 40mm to 300mm covers a wide range of applications.

Advantages

TUBE F enables multiple operations in a single cycle, replacing several phases currently performed on separate machines, specifically for flat profile cutting. Laser cutting eliminates deburring and reduces overall cycle times. The machine stands out for its compactness and customizability, offering the possibility of manual loading and customizable multiple unloading modes. It is also possible to pair and integrate the machine with automatic loading/unloading systems.

Laser

The extreme flexibility of the laser tool, specifically applied to flat profiles, reduces product development times and enables the rapid creation of special applications and prototypes. Laser cutting ensures excellent quality while minimizing deformations thanks to the absence of mechanical actions, which is particularly critical when processing flat profiles where flatness is essential.



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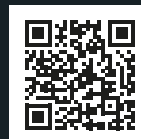
CUTLITE PENTA

CUTLITE PENTA S.p.A

Phone: (+39) 0574 874301
Email: contacts@cutlitepenta.it

Head Office:
Via Guimaraes, 7/9
59100 – Prato

Registered Office:
Via Baldanzese, 17
50041 – Calenzano (FI)



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