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Fiber Laser Machines for Combo Cutting

Descrizione

The PLUS TUBE system represents the best choice in terms of high performance, structural solidity and high efficiency for both flat and tubular machining. The tube module completes the system making it versatile and dynamic.

Available working fields:

- 3000×1500 mm
- 4000×1500 mm
- 4000×2000 mm
- 6000×2000 mm
- 8000×2000 mm

Available powers:

from 1000 W to 50,000 W

The basic structure consists of the PLUS system and the EVO 3 cutting head can handle up to 50 kW of laser power. It guarantees efficiency and reliability in the most intensive machining while maintaining high quality standards.

EVO 3 Head

The EVO3 cutting head is equipped with a capacitive sensor. The PLUS TUBE system uses the EVO 3 autofocus cutting head which, entirely designed by our research and development department and manufactured with ultra-high precision mechanics by Cutlite Penta, is also equipped with contact and temperature sensors.

Bevel Head

The head designed by Cutlite Penta allows these operations to be performed without penalizing classic flat cutting. The head, innovative in its mechanics, has optimized dimensions, is lightweight and allows rotation of +/- 45° in both cutting directions.

Laser sources

Fiber laser sources allow great versatility and enable cutting multiple types of metals. Developed as a single system, it can be coupled with a wide choice of optical fiber diameters. High efficiency, excellent beam quality and low electrical absorption are the distinctive characteristics.

The source is contained in a conditioned and sealed NEMA 12 cabinet so it can operate even in hostile environments.

The high reliability of these sources guarantees very low maintenance costs.

Automatic loader

The PLUS TUBE system can be equipped with the tube loading and unloading system.

Maximum capacity 6 tubes with diameter \varnothing 305 mm or maximum side 220 mm

Automatic tube loading from \varnothing 20mm - max. \varnothing 305 mm

Automatic loading lengths from 1500 mm to 6500 mm, expandable on request

Sliding surfaces entirely covered in plastic material to avoid damage and scratches on delicate tubes

Possibility of mounting on the operator side or rear area, to optimize the layout within the work area

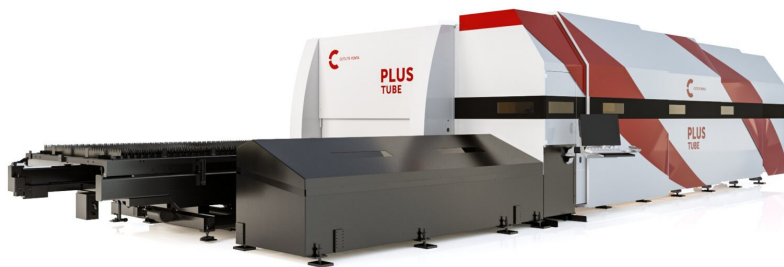
Loading, unloading and storage

The PLUS TUBE system can be equipped with the sheet metal loading and unloading system in line or at 90° and with the addition of automatic storage warehouses.

Specifiche

- **Costruttore:** CutLite Penta
- **Campo di lavoro:** 3000x1500 mm
- **Potenza:** 1 Kw - 50 Kw
- **Condizione:** Nuovo
- **Spessore max:** 20 - 50 mm su Fe
- **Automazione:** Carico e scarico lamiera
- **Anno:** 2025

Immagini



Visita il sito:

<https://www.tpcsrl.com/macchine-laser-fibra-per-il-taglio-combo/>