



stargroup
PERFORMING TUBING

TUBE LASER



Tube Laser

PRECISION AND VERSATILITY

Italo 200 is the tube laser cutting machine developed by Warcom for Stargroup. It is designed to combine the precision and quality of fiber laser cutting with the versatility of a compact system at a competitive price.

Whether they are holes, slots, notches, or simply cuts in preparation for welding, our tube laser allows you to obtain multiple and perfect geometries on tubes and profiles with diameters between 10 and 200 mm and lengths up to 6.5 m. From small to large series, the tube laser cutting allows a flexible and dynamic production.

Starting from a basic configuration with manual loading and 1 kW laser source, it is possible to arrive at a configuration with automatic loading from bundle and chain, automatic unloading and 3 kW laser source

The plant is equipped with Libellula Tube CAD-CAM software, an easy-to-use software equipped with import of the main 3D assemblies.



TUBE LASER

Max. loading length	6.500 mm
Max. weight of the tube	25 kg/m
Tube sections	Round, square, rectangular
Dimension of round section	Min. 12 mm automatic / manual loading Max. 200 mm automatic / manual loading
	Min. 20 mm from bundle loader Max. 120 mm from bundle loader
Dimension of square section (min;max)	Min. 20x20 mm automatic / manual loading Max. 150 x 150 mm automatic / manual loading
	Min. 20x20 mm from bundle loader Max. 120 x 120 mm from bundle loader
Dimension of rectangular section (min;max)	Min 20x30
	Max any rectangle inscribed in a circle \varnothing_{\max} 200 mm (for bundle loader, inscribed in a circle \varnothing_{\max} 120 mm)
Max. linear speed of mandrels	X= 150 m/min
Speed of cutting axes	Y = 100 m/min Z = 100 m/min
Max. speed rotation of mandrels	200 r.p.m.
Max. unloading length	4.000 mm
Loading - Unloading orientation	Left - Right
Power of fiber laser source	1 – 2 – 3 kW

MAIN FEATURES

Available loading systems: manual, automatic (from bundle and/or from chains).

Automatic unloading system from 2000 to 4000 mm.

IPG o nLigh laser source, up to 3 kW.

2D cutting head.

Libellula Tube Software.

ADVANTAGES

Excellent performance / price ratio.

Precise and high cutting quality.

Reduced maintenance thanks to the fiber laser source.

User-friendly software

Entirely developed and manufactured in Italy