L12MAX

Golden Laser

Tiny Tube Fiber Laser Cutting Machine

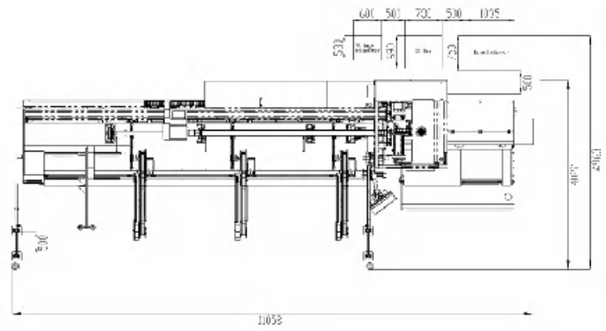
L series

Fast
Acceleration 2G

Save
0 Scrap

High Efficiency
Cycle Time 8S

The L12MAX tiny tube fiber laser cutting machine features ultra-fast automatic material loading and can freely switch between fully automatic and semi-automatic modes. It efficiently handles cutting operations for tubes with diameters ranging from 8 to 120mm. Equipped with a floating support system, a zero-scrap chuck, and a chuck avoidance design, it achieves zero scrap waste, multi-scenario adaptability, and high-precision rapid production.



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Comprehensive Safety Protection

- The equipment features an enclosed design. Safety protection devices are installed at the material loading end, during the machining process, and at the cutting, unloading, and material collection end. Additionally, safety light curtains are equipped.

Dual-mode Automatic Feeding System

- It enables ultra-fast material loading, allows seamless switching between fully automatic and semi-automatic modes, is compatible with cutting tubes of diameters ranging from 8 to 120mm, and can automatically load various tube types such as round tubes and square tubes.

Zero-scrap Cutting

- The front chuck is equipped with an avoidance function. When working in conjunction with a chuck that features both composite clamping and gripping functions, it successfully achieves zero-scrap cutting with two chucks, significantly reducing scrap material loss.

Smart Support System

- Featuring an innovative floating support design for loading and unloading, the system can intelligently adapt to the rotational posture of the tube, providing dynamic support that effectively enhances the processing precision of long tubes.

Technical Parameters	L12MAX
Maximum Acceleration	2G
Maximum Positioning Speed	120m/min
Maximum Rotational Speed Of The Chuck	200r/min
Power Range	1500W~6000W
Processing Tube Specifications	round tube：Ø8mm-120mm square tube：8mm*8mm-120mm*120mm
Maximum Load Capacity For Single Tubing	15kg/m
Maximum Cutting Length Of Tubes	6500mm
Automatic / Semi-automatic Loading Tube Size Range	round tube：Ø20mm-80mm /Ø8mm-120mm square tube：20mm*20mm-80mm*80mm / 8mm*8mm-120mm*120mm
Maximum Capacity Of The Feeding Machine	1.5T（Automatic load） /350kg（/Semi-automatic）