Golden Laser

L series

The L-series ultra-compact tube fiber laser tube cutting machine is specifically designed for cutting small tubes. It adopts a side-mounted machine bed structure and integrates an advanced intelligent control system with a specialized small-tube clamping device. This machine combines fully automatic loading, precise cutting, zero-scrap avoidance cutting, and efficient material collection functions into one, ensuring high-speed and high-precision cutting operations for small tubes.

- Highly Automated: Tailored specifically for small tubes, this equipment is equipped with advanced loading and unloading mechanisms, enabling a fully automated laser processing workflow for small tubes without any need for manual intervention throughout the entire process, effectively reducing costs.
- Professional-grade Configuration: It is fitted with a pneumatic chuck specifically customized for small tubes, a composite tube floating support system, and an innovative floating flip-type material collection device, ensuring precise and stable cutting of small tubes.
- Zero-scrap Cutting with Dual Chucks: The front chuck is equipped with an avoidance function, which works in tandem with a chuck featuring both composite clamping and holding functions. This successful collaboration enables zero-scrap cutting with dual chucks, significantly reducing scrap material losses and helping users effectively control material costs.
- High Production Efficiency: By combining a high-speed rotating pneumatic chuck with an intelligent automatic control system, the cutting process is both rapid and continuous, allowing for the completion of a large volume of cutting tasks in a very short period, thereby significantly enhancing production efficiency.

L series

Golden Laser

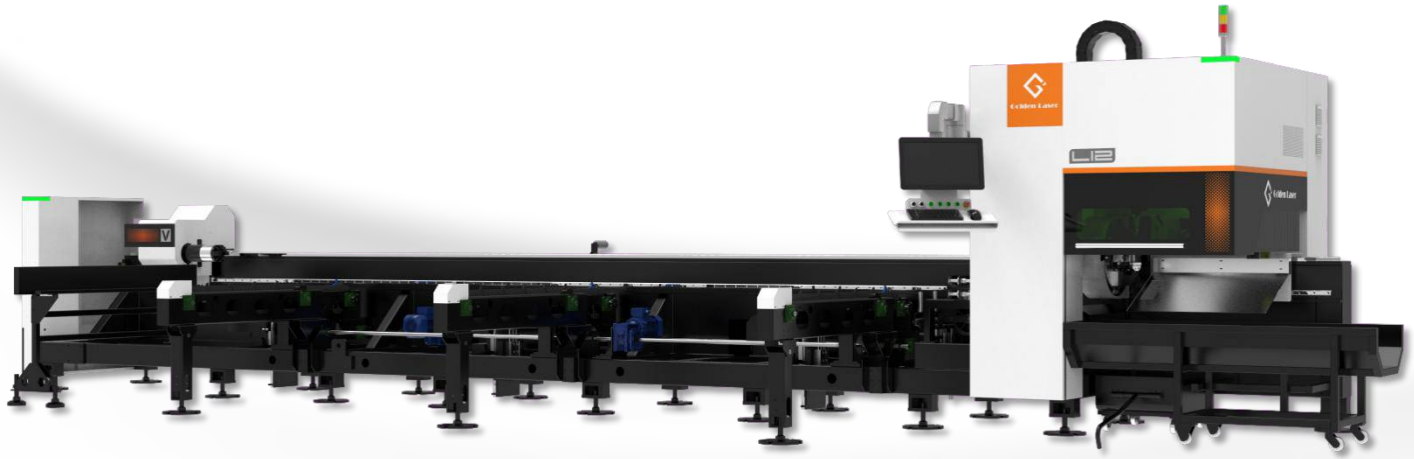
L12MAX
L16MAX
L12MAX-3D
L16MAX-3D

The L12MAX ultra-compact tube fiber laser tube cutting machine integrates intelligent, automated, and multi-functional modular design elements. It supports ultra-fast automatic material feeding and offers flexible switching between fully automatic and semi-automatic modes, efficiently handling cutting tasks for tubes with diameters ranging from 8 to 120mm. It achieves three major breakthroughs: "zero scrap waste, compatibility with multiple scenarios, and high-precision rapid production," thereby redefining the standards for ultra-compact tube cutting.

Employing a side-mounted machine bed structure, the front chuck is equipped with an avoidance function. When paired with a composite dual-function chuck, it enables zero-scrap cutting, minimizing waste. Additionally, it is fitted with a high-speed rotating pneumatic chuck specifically customized for small tubes. Both the loading and unloading ends utilize a fully servo-controlled floating support system, working in concert to enhance cutting precision and processing efficiency.

Golden Laser

L series



L12MAX semi-automatic

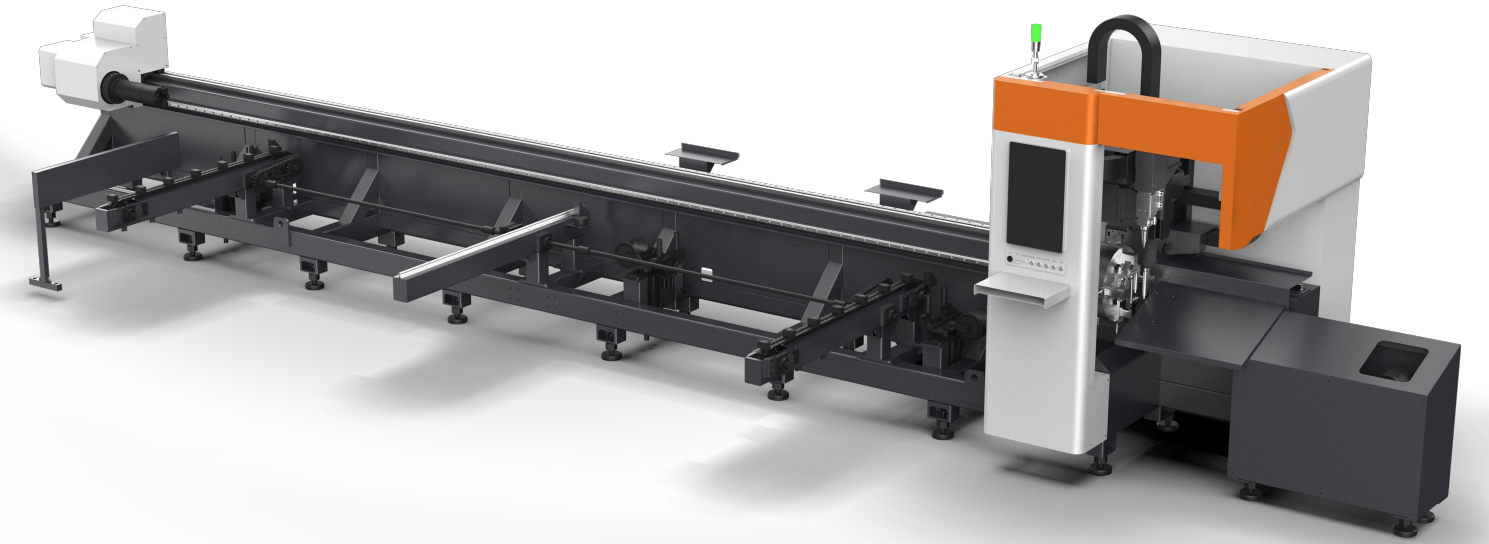
L16MAX semi-automatic

The L12MAX semi-automatic ultra-compact tube fiber laser tube cutting machine deeply integrates intelligent and automated design concepts. It features a unique semi-automatic loading mode that enables ultra-fast automatic material feeding, efficiently handling automatic loading and cutting tasks for tubes of any diameter ranging from 8 to 120mm. Technologically, it achieves three major breakthroughs: "zero scrap waste, compatibility with automatic processing of multiple tube types, and high-precision rapid production," thereby reestablishing new industry standards for ultra-compact tube cutting.

It adopts a side-mounted machine bed structure, with the front chuck equipped with an avoidance function. When paired with a composite dual-function chuck, it achieves zero-scrap cutting, minimizing scrap waste from the source. Additionally, it is fitted with a high-speed rotating pneumatic chuck specifically customized for small tubes. The loading end utilizes a fully servo-controlled floating support system. All components work in synergy to comprehensively enhance cutting precision and processing efficiency.

L series

Golden Laser



L12
L16

The L12/L16 models within the "L" series are specifically tailored for side-mounted machine bed structures. They seamlessly integrate with semi-automatic loading machines, enabling a fully automated processing workflow for small-batch small tubes—from automatic loading and precise cutting to automatic unloading. This significantly enhances both efficiency and automation levels in small tube fabrication.

The front chuck of the equipment is uniquely equipped with an avoidance function, substantially reducing tail end waste during tube cutting and effectively controlling material costs. Additionally, the L12/L16 are fitted with a full-stroke pneumatic chuck designed specifically for small tubes, along with a wheel-type pneumatic support system that allows flexible front-to-back adjustments and easy diameter changes. These features ensure simple and quick operation while further improving cutting precision and operational efficiency.

Golden Laser

L series

L12A
L16A

The L12A/L16A models within the "L" series are specifically designed for side-mounted machine bed structures. When seamlessly integrated with a fully automatic small-tube loading machine, they achieve end-to-end automation for small-tube batch processing—from automatic loading and precise cutting to automatic unloading. This significantly enhances both efficiency and the level of automation in small-tube fabrication.

The front chuck is ingeniously equipped with an avoidance function, an innovative design that substantially reduces tail end waste during tube cutting, effectively helping users control material costs. Additionally, the L12A/L16A are fitted with a full-stroke pneumatic chuck tailored specifically for small tubes, along with a wheel-type pneumatic support system that can be flexibly adjusted forward and backward for easy diameter changes. These configurations not only streamline operations but also elevate cutting precision and operational efficiency to new heights.

L series

Golden Laser

L20
L28
L35
L20-3D

The L20 high-speed fiber laser tube cutting machine deeply integrates intelligent and automated design concepts. It employs a semi-automatic loading mode, enabling ultra-fast automatic material feeding and efficiently completing automatic loading and cutting tasks for tubes with diameters ranging from 10 to 230 millimeters. On the technological front, this equipment has achieved three major breakthroughs: "zero scrap generation, automated processing compatible with multiple tube types, and high-precision rapid production." The machine adopts a side-mounted machine bed structure, with the front chuck equipped with an avoidance function. When used in conjunction with a composite dual-function chuck, it enables zero-scrap cutting, minimizing waste generation at the source. The loading end utilizes a fully servo-controlled floating support system. All components work in synergy to comprehensively enhance cutting accuracy and processing efficiency.

Golden Laser

L series

L20-3C
L28-3C
L35-3C
L20-3C-3D
L28-3C-3D
L35-3C-3D

The L35-3C-3D etc is a high-end equipment meticulously designed to address the cutting challenges of oversized, overweight, and extra-long pipes. This model adopts an advanced three-chuck configuration and specifically incorporates a bevel cutting function, demonstrating outstanding pipe processing capabilities.
It offers stable and reliable performance in pipe clamping and cutting, easily handling super-heavy pipes with a single-piece weight exceeding 1.0 ton and a diameter of 360 mm or more. The advanced chain-type loading mechanism and floating flip-down unloading mechanism equipped on the equipment enable automated loading and unloading of heavy pipes, significantly enhancing processing efficiency.