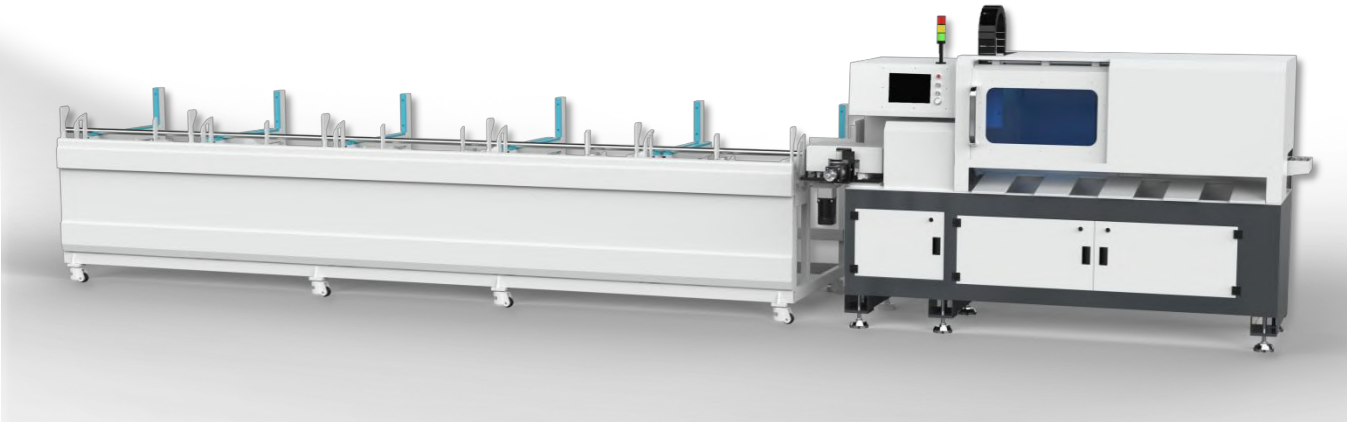


Smart "S" series

The Smart "S" Series tiny tube fiber laser cutting machine is specifically designed for small tubes. It integrates an advanced intelligent control system and a professional tube clamping device, combining fully automatic loading, precise cutting, and efficient unloading functions to ensure high-speed and high-precision cutting of small tubes.

- **High Automation:** This equipment is tailored for small tubes, equipped with advanced loading and unloading mechanisms, realizing a fully automated laser processing workflow for small tubes without manual intervention, effectively reducing costs.
- **Professional Configuration:** It is equipped with pneumatic chucks specifically designed for small tubes, a composite tube floating support system, and an innovative floating flap unloading device, ensuring the precision and stability of small tube cutting.
- **Exceptional Accuracy:** Based on advanced bus control technology, the equipment incorporates multiple precision calibration functions, such as segmented centering and automatic centering, ensuring that each cut meets extremely high accuracy standards.
- **Efficient Production Capacity:** Combining high-speed rotating pneumatic chucks and an intelligent automatic control system, the cutting process is both rapid and continuous, capable of completing a large number of cutting tasks in a very short time, significantly improving production efficiency.

Smart "S" series



S12R

The S12R fiber laser tube cutting machine for round tubes is specifically designed for cutting round tubes and integrates a fully automatic round tube loading system. Its features include automatic loading of batches of round tubes, precise length control for cutting, automatic slag removal, flexible processing without the need for drawings, and exceptional high-efficiency performance. It perfectly replaces traditional sawing processes and has become the preferred choice in the industry.

Smart "S" series



S12
S16



The Smart "S12" Series tiny tube fiber laser cutting machine adopts an innovative compact machine tool structural design and high-speed small tube clamping chuck, significantly reducing the footprint and ensuring efficient processing of small tubes. The standard professional fully automatic small tube loading system achieves a seamless and fully automated loading and cutting process, greatly enhancing the flexibility and practical application efficiency of the equipment.

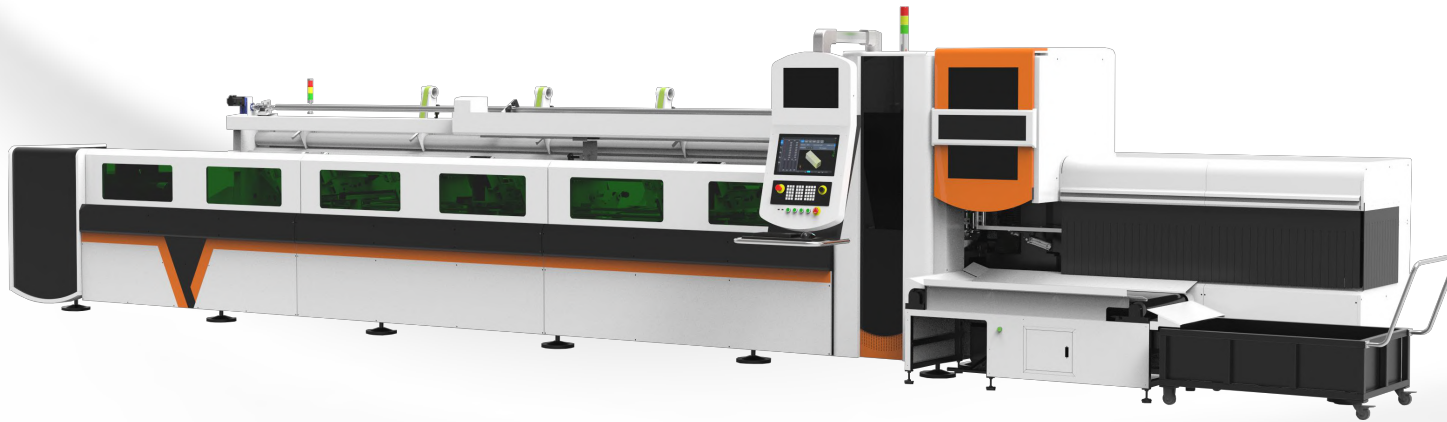
Smart "S" series



S09

The S09 is equipped with a fully automatic and highly efficient loading system, enabling full-process automation that covers automatic loading of small tubes with diameters ranging from 10 - 80mm in batches, precise cutting, and automatic material collection. This significantly shortens the processing cycle and enhances both efficiency and the level of automation. With its outstanding bevel cutting performance, the machine ensures high precision and stability in tube bevel cutting through the synergy of a full-stroke precision square-hole multi-point support pneumatic chuck and a front-and-rear floating support system. This guarantees seamless splicing of tubes and improves the quality of butt welding. The S09 combines high versatility and cost-effectiveness, and its supreme dynamic performance further optimizes cutting precision and efficiency.

Smart "S" series



S12plus
S16plus
S12plus-3C
S16plus-3D

The Smart "S12plus" Series tiny tube fiber laser cutting machine stands as a premium offering in the field of small tube processing, having undergone three iterations of upgrades with significant enhancements in automated processing performance. Its standard fully automatic small tube loading system supports end-to-end automated operations, including mixed tube loading, automatic tube length measurement, continuous processing, flexible segmented unloading, and highly automated conveyor-based material collection. Coupled with the newly optimized numerical control system and tube clamping and support system, the processing efficiency of the equipment has increased by 30%.