

FP SERIES FOUR CHUCK FIBER LASER TUBE CUTTING MACHINE



International Technology • Australian Service

Customized Heavy Duty Four Chuck Fiber Laser Tube Cutting Machine

Satisfy the need of whole tubes, heavy tubes cutting in the construction machinery, steel structure, bridge, shipbuilding and other industries. Customized demand development, high cutting precision, multi-chuck linkage, zero tail material, supporting bevel cutting of medium-thick tubes, meeting the needs of seamless welding.



High Strength Machine Body Welded with Mortise-Tenon Connection Board

- Standardized segmented machine body, splicing up to 30 meters, honeycomb type welded mortise and tenon structure, stress of machine body eliminated by annealing treatment, high tolerance, good shock absorption performance, high strength, high rigidity, ensuring that the equipment is not deformed after a long time of use.

Automatic Loading System for Long Tubes and Heavy Tubes

- Just place the tube in the automatic loading rack, and press one key to achieve automatic loading, which is safe, reliable and time saving and solves such problems as difficult loading and unloading of heavy tubes, low efficiency, low safety factor, etc. The modular design can achieve combination of tubes of any length to meet different degrees of customization needs.

Segmented Control of Unloading Platform

- The multi-level independent segmented discharging and feeding mechanism is for automatic unloading of materials of different lengths, and supports continuous automatic unloading of round tubes, square tubes, angle steel, channel steel, I-steel and other tube profiles. Double chuck clamping for safer cutting; modular design for free combination.

Four Chuck Clamping Technology

- Supporting heavy tube, overweight tube and profile processing. The four chucks clamping the tube and the multi-point support prevent tube deformation. Intelligent detection of tube feeding position to prevent empty clamping caused by tube errors; clamping examination prevents tube from falling off accidentally, which ensures high safety. Continuous cutting saves idle time and improves production efficiency.

High Efficiency Cutting of Heavy Tubes And Overweight Tubes

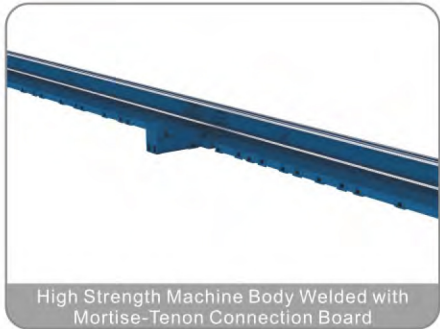
- Scope: Processing of tubes with the weight $\leq 1200\text{kg}$, tubes with the length of 12000mm, and round tubes of 20-350mm; supporting angle steel, channel steel, I-steel and other tube profiles.



Large Square Tube



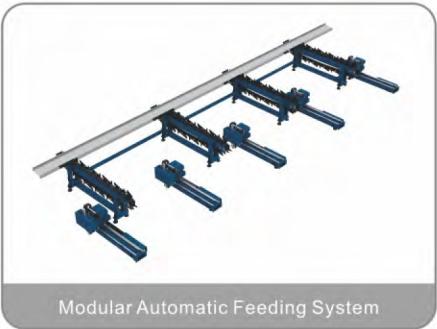
Large Circular Tube



High Strength Machine Body Welded with Mortise-Tenon Connection Board



Multi Chuck Clamping Technology



Modular Automatic Feeding System

Performance Indexes		
Model	FP12036	FP12056
Tube Specification	Circular Tubes : $\Phi 20\text{mm} \sim \Phi 360\text{mm}$ Square Tubes and Rectangular Tubes : $\square 20\text{mm} \sim \square 360\text{mm}$	Circular Tubes : $\Phi 50\text{mm} \sim \Phi 560\text{mm}$ Square Tubes and Rectangular Tubes : $\square 50\text{mm} \sim \square 400\text{mm}$
Power	6000W~20000W	6000W~20000W
Length of Cutting Residue	$\geq 0\text{mm}$	$\geq 0\text{mm}$
Infinite Rotation	60rpm/min	50rpm/min
Material Loading Length	12000mm	12000mm
Maximum Weight of a Single Tube	1.2T	2T
Floor Space of Whole Machine	26000mmX5000mm	26000mmX5000mm

