

ITL - 3015A

Single Platform Fiber Laser Plate Cutting Machine

The **Infitek Laser Single Platform Fiber Laser Plate Cutting Machine** is engineered to deliver exceptional cutting accuracy, high-speed performance, and reliable operation for a wide range of metal fabrication applications. Built with advanced fiber laser technology and a robust machine structure, it ensures clean edges, minimal maintenance, and outstanding production efficiency.



Advantages of bed structure

The steel pipe welding foundation has high strength, the structure is more stable, and when cutting thick plates will not be deformed, ensuring the cutting accuracy of the equipment.



Advantages of machine crossbeam advantages

The high-strength aviation aluminum crossbeam and precision manufacturing process ensure the dynamic performance, accuracy, and stability of the machine during operation.



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Advantages of modular processing table
The load capacity of each independent module does not affect each other, making disassembly and maintenance more convenient and faster.

Follow-up dust removal device

Intelligent follow-up dust removal system, the most suitable pipeline system for smoke and dust flow, efficient, environmentally friendly and pollution-free.



Single table fiber laser cutting machine uses a high-powered fiber laser to cut through metal plates with high precision and speed. The machine is equipped with CNC system that controls the laser cutting process according to the programmed instructions. This laser cutting system is widely used in the manufacturing industry, especially for metal fabrication, automotive, aerospace, and construction industries.

1. The bed is welded with mortise and tenon joints, the structure is more stable, the thick plate is not deformed when cutting, and the cutting accuracy of the equipment is guaranteed.
2. The workbench is modularly designed, each module is independently loaded and does not affect each other, and disassembly and maintenance are more convenient and quick.

Technical Parameter

Machine model	ITL-3015A	ITL-4020A	ITL-6025A
Work area	3048mm*1524mm	4064mm*2032mm	6096mm*2540mm
Max speed	100m/min	100m/min	100m/min
Acceleration	1.5G	1.5G	1.5G
Z-axis travel	120mm/m	120mm	120mm
Positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m
Repeat positioning accuracy	±0.03mm	±0.03mm	±0.03mm
Table load bearing weight	1000kg	1600kg	3000kg
Adaptation power	1500W-12000W	1500W-12000W	1500W-12000W

❖ Product Features

1. The bed is welded with mortise and tenon joints, the structure is more stable, the thick plate is not deformed when cutting, and the cutting accuracy of the equipment is guaranteed.
2. The workbench is modularly designed, each module is independently loaded and does not affect each other, and disassembly and maintenance are more convenient and quick.
3. Aviation-grade aluminium beams, high strength, high corrosion resistance, long life, long-term use stable without deformation.
4. Intelligent follow-up dust removal system, the most suitable pipeline system for smoke flow, efficient, environmentally friendly and pollution-free.
5. Bus motor control, better dynamic performance, suitable for a variety of processing scenarios.
6. Intelligent control system, compatible with various types of drawings, air movement obstacle avoidance, flying cutting, traceless micro-connection and other functions.
7. Widely used in military industry, aerospace, textile machinery, medical equipment, fitness equipment, auto parts, petrochemical machinery, agricultural machinery, production lines, other civil machinery and other fields.