



12000W Open Type Fiber Laser Cutting Machine



As a professional 12000W Open Type Fiber Laser Cutting Machine manufacturer and supplier in China, Huawei Laser Equipment Manufacturing Co., Ltd. specializes in the production of: open laser cutting machines, ultra-large format 12000~60000-watt laser cutting machines, tube-sheet integrated laser cutting machines, pipe laser cutting machines, industrial laser cleaning equipment, handheld laser welding machines. Welcome to buy 12000W open fiber laser cutting machine from us. It can perform precision processing on carbon steel, stainless steel, copper, aluminum, aluminum alloy and other materials.



Product Introduction

12000W Open Type Fiber Laser Cutting Machine

Huawei Laser Equipment Manufacturing Co., Ltd. was established in 2017. As a professional manufacturer of 12000~60000-watt laser cutting machines in China and the factory of 10,000-watt laser cutting machines in China, we have strong strength and perfect management. At the same time, we have our own export qualifications. We mainly produce open laser cutting machines, ultra-large-format 12000~60000-watt laser cutting machines, tube-sheet integrated laser cutting machines, pipe laser cutting machines, industrial laser cleaning equipment, handheld laser welding machines, etc. We adhere to the principle of quality first and customer first, and sincerely welcome your letters, calls, inspections and business negotiations. We always guarantee you high quality service.

Model specification identification method:

HWO-12000W-13031
HW: HuaWei Laser
O: Open Type
12000W: Power
13031:Cutting range (X Axis: 3100mm、Y Axis: 13000mm)

ProductFeatures Of 12000W Open Type Fiber Laser Cutting Machine

1. Professional laser cutting control system, computer operation, a variety of graphics cutting can be set, and it can ensure the cutting quality, realizing more convenient cutting and more simple operation;
2. Gantry machine tool structure, high-strength welding body subject to annealing process treatment to achieve accurate processing. Customized mold tensile aluminum beam, with good rigidity and strong bearing capacity;
3. The drive and transmission system with brand servo system is adopted, and it is guided by linear rail, ensuring the equipment of high speed, high accuracy and high reliability;
4. The guide rail adopts a fully sealed protection device to prevent oil-free friction movement and dust pollution, which improves the service life of the transmission parts and ensures the accuracy of the machine tool movement.

Cutting Samples Of 12000W Open Type Fiber Laser Cutting Machine:



Application of Of 12000W Open Type Fiber Laser Cutting Machine:

Suitable for stainless steel, carbon steel, alloy steel, silicon steel, galvanized steel plate, nickel titanium alloy, Inconel alloy, titanium alloy and other metal materials. It is widely used in various manufacturing industries such as aerospace, automobiles and ships, machinery manufacturing, elevator manufacturing, advertising production, household appliance manufacturing, medical equipment, hardware, decoration, and metal processing services.

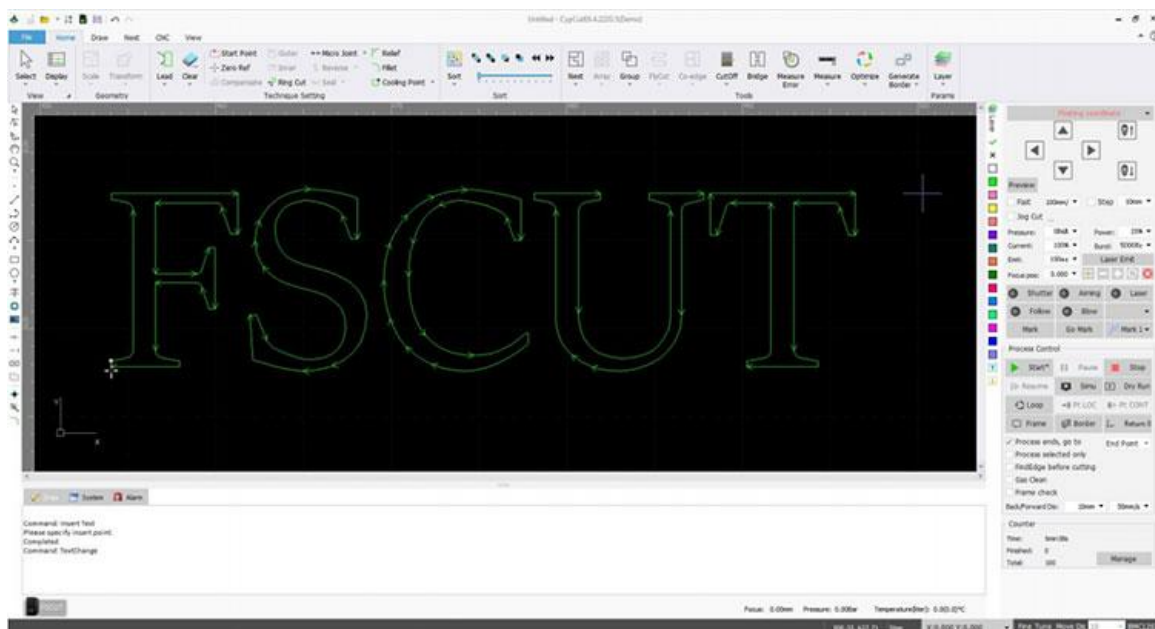
Technical Parameters of 12000W Open Type Fiber Laser Cutting Machine

Power	12000W		
Model (HWO)	4020	6025	13031

Cutting Range		4m*2.0m	6m*2.5m	13m*3.1m
Position Accuracy		±0.02mm		
Cutting metal thickness (Reference)	Carbon steel	35mm		
	Stainless steel	25mm		
Power supply voltage		AC380V ±10% 50Hz		
Note		Other workbench sizes can be customized		

Main component parts 12000W Open Type Fiber Laser Cutting Machine:

1. BOCHU SYSTEM



The FSCUT system is a very popular operating system for professional laser cutting machines. It is easy to install and debug, has excellent performance and provides a complete solution.

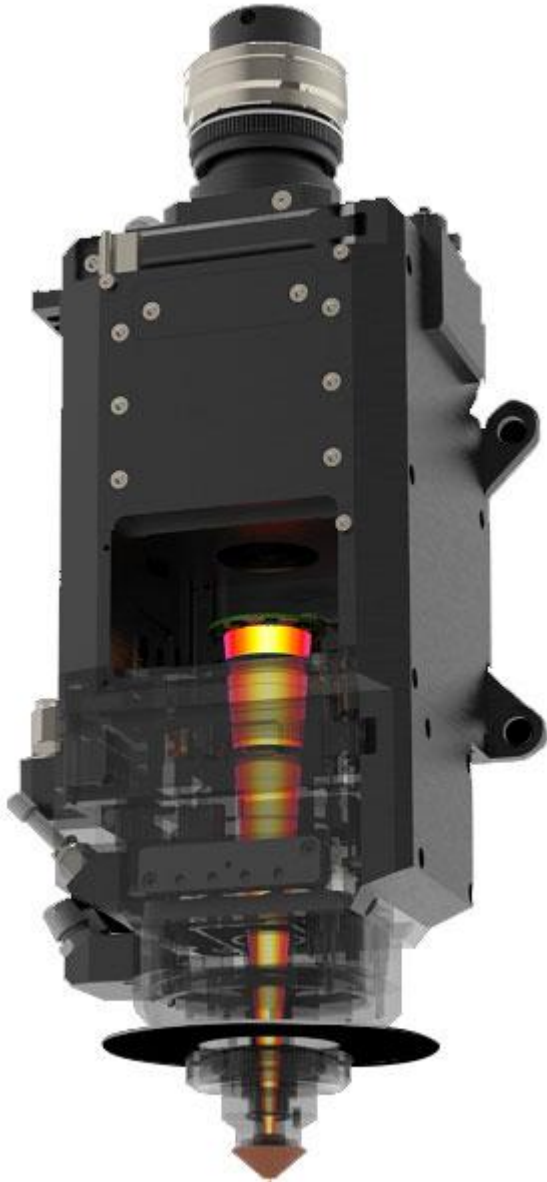
The system has functions such as automatic edge finding, common edge cutting, perforation and slag removal, compensation function, thin plate flying cutting, fault self-detection, automatic conversion of CAD drawings, and automatic memory.

2. Continuous fiber laser



Modular design, stable performance; easy maintenance, high reliability; customizable to meet various needs; uniform spot energy distribution, stable processing; multiple scenarios, wide application.

3. Cutting head



Functional features: nine-level perforation, intelligent knife closing, traceless micro-connection, automatic return cutting, melt pool detection, intelligent perforation.

High cost performance: the first choice for economical laser cutting equipment;

Excellent design: optimized optical configuration and smooth and efficient air flow design significantly improve cutting quality and efficiency;

Exquisite structure: extremely light weight and compact size, which reduces the load requirements of the robot and improves the cutting speed and quality.

The bed is welded with a steel structure, and is precision machined after overall annealing to improve stability and feature high strength and adaptability.



The cross beam adopts extrusion and stretching manufacturing process to reduce weight, improve rigidity and greatly improve the response speed of the machine tool.



FAQ Of 12000W Open Type Fiber Laser Cutting Machine:

1.Q: I don't know which one is suitable for me ?

A :Just tell us below information

- 1) Max work size:choose most suitable model.
- 2) Materials and Cutting thickness:To match the right Power of laser generator for you.
- 3) Business industries:We sell a lot and give advice on this business line.

2.Q: When I got this machine, but I don't know how to use it. What should I do?

A: We will send training video and English manual with the machine in time. If you still have some doubts, we can talk by telephone or skype and e-mail.

3.Q: How to install and run the machine?

A: Our technician have installed the machine before shipping. For some small parts installation, we will send detail training video, user's manual along with the machine. 95% customers can learn by themselves.

4.Q: How can I do if the machine goes wrong?

A: If confronted with such problems, Non-professionals should not repair the machine, please contact us ASAP. We will response within 24 hours as quick as we can to solve it for you.