



Applicable materials and industry

ST-FC6015CR fiber laser cutting machine is widely used in electrical power, automobile manufacturing, machinery and equipment, electrical equipment, hotel kitchen equipment, elevator equipment, advertising signs, car decoration, sheet metal production, lighting hardware, display equipment, precision components, metal products and other industries.

Specialized fast speed cutting of a variety of metal plates, pipes (add pipe cutting device), mainly used in stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass, aluminum, steel, various alloy plate, rare metal and other materials.

Features

1. Low cost and the power consumption; Customer can cut all kinds of metal sheets by blowing gas;
2. High-performance. Fiber laser with stable performance and the lifespan is over 100,000 hours;
3. High speed and efficiency, the speed of cutting metal sheets close to tens of meters;
4. The laser maintenance free;
5. The cutting edge looks perfect and the appearance is smooth and beautiful;
6. Imported the transmission mechanism and servo motor, and high cutting accuracy;
7. Dedicated software enables graphic or text to be instantly designed or processed.
8. Flexible and easy operation.

Cutting capacity for reference

Material	Max cutting thickness	Normal cutting thickness
Carbon steel	≤20mm	≤18mm

Stainless steel	≤10mm	≤8mm
Aluminum	≤8mm	≤6mm
Non-ferrous metals	≤8mm	≤6mm

Machine advantages

ST-FC6015CR is our heavy duty fiber laser cutting machine, it can choose different laser source, such as Chinese Raycus brand or Germany brand IPG, the laser power can be 1KW, 2KW, 3KW, 4KW, 6KW, 8KW and 12KW. The power can be improved based on the laser source technology.



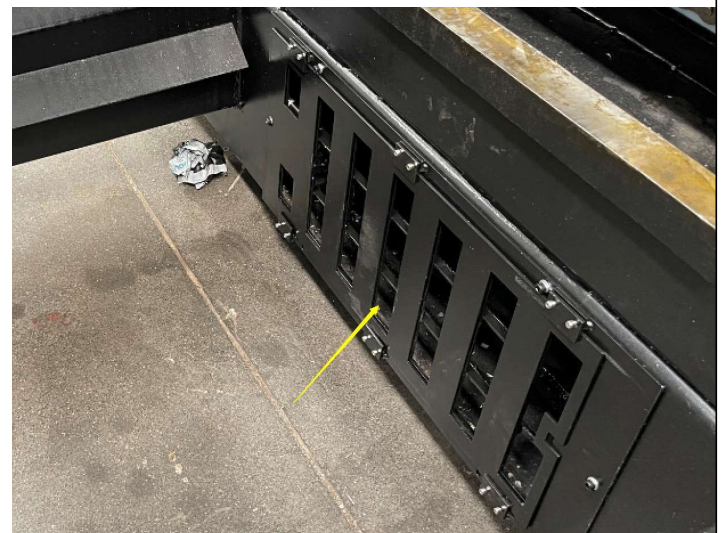
High rigidity machine bed Segmented welding, adopts exclusive annealing processing with high-temperature NC electric resistance furnace, ensure long-time stable working of the machine.



The gantry we adopted are new design aircraft-grade aluminum casting,replace of the welded steel gantry,more light-footed to make the whole machine working very fast.



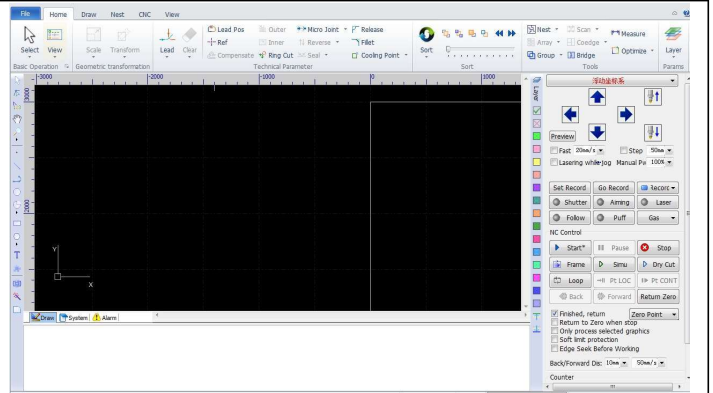
Machine body whole frame with smoke extraction, reduce the smoke and chippings to harm the cutting head and lens.



Swiss RAYTOOLS laser head with auto focusing height follower.
To ensure the constant same distance between the head and cutting material.



Cypcut Control system and auto nesting software
To make sure the materials get Maximum utilization



Raycus laser source
with long lifespan up to 100000 hours and high cutting speed.



Double control water chiller
To cool the laser source and cutting head in long time use.

Dual cooling function
Real-time alarm
Machine protection



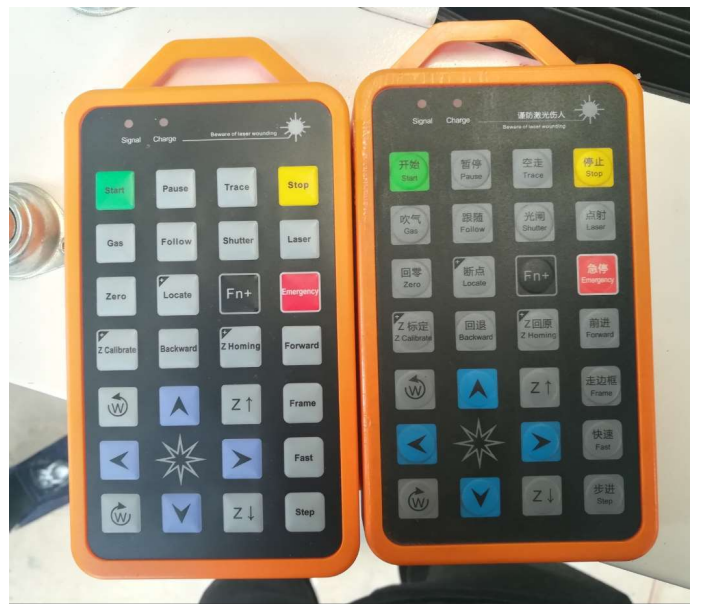
iPad design screen with Cypcut control system:

Easy to use
Powerful functions
Complete cutting process,debugging easily
Real-time alarm,stable and reliable



High-definition pad display with remote controller

The controller can remote control the laser working within 10m.



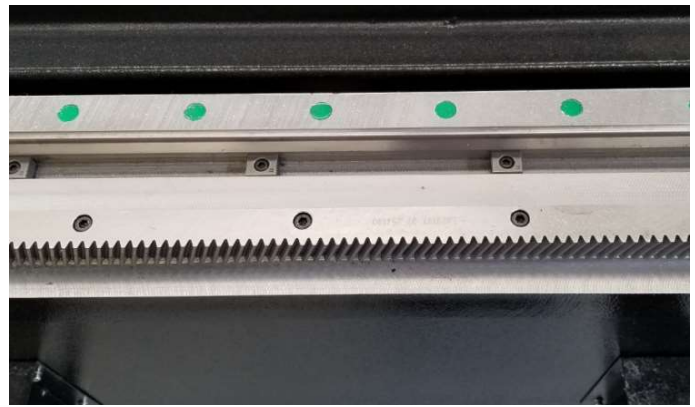
Inovance Servo motor

High accuracy
High-speed performance
High adaptability&stability
Timeliness,short dynamic response time of motor



Original square rails

High precision
Accurate instantaneous transmission ratio
High transmission efficiency
Long life

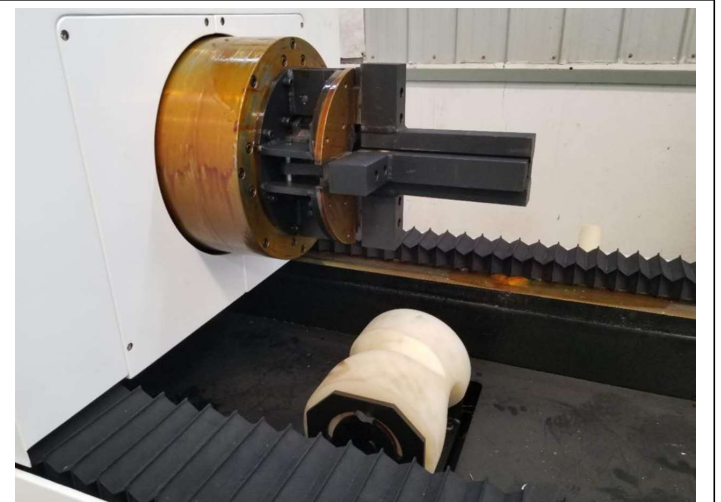


Auto lubrication system

which can lubricate the linear guide rail nearly 500 times per minute to make sure the high precision.



The rotary device with 3pcs big torque servo motor, it provide strong power for tube turning.
Both end with pneumatic chuck and rack pinion transmission,keep high accuracy.





Parameters

Machine model	ST-FC6015CR
Laser power	3KW
Working size	1500*6000mm
Rotary working diameter	12-240mm
Rotary working length	50-6000mm
Machine weight	6000kg
Max. running speed	120m/min
Max. acceleration	1.5G
Repeated positioning accuracy	0.02mm
Transmission	Precision dual driver rack gear
Specified voltage and frequency	380v/50HZ/3P

Warranty and after sale service

1. 2 years warranty for the fiber laser source and other parts without consumable parts.
2. Life-long maintenance.

3. Except the damage artificially,we are responsible for offering the fittings free of charge during warranty period.
4. After the warranty period expired,the buyer only need to pay the actual maintenance cost.
5. Manuals along with machine, After sale department with English speakers support customer 24 hours every day.
- 6.They are available for going to customer's country for training and installation.
7. Certificate support: CE, FDA, SGS

Samples



Brass cutting



Copper cutting



Aluminum cutting



Carbon steel cutting



Stainless steel cutting



Round tube cutting



Square tube cutting





Package

1. Anti-collision package edge: All parts are covered with some soft materials, mainly the use of pearl wool.
2. Fumigation wooden box: Our wooden box is fumigated, do not need to check the wood, saving the transport time.
3. Whole film packaging machine: Avoid all damage that may occur during delivery. Then we will cover the plastic package tightly to ensure that the soft material is covered intact, also avoiding water and rust.
4. The outermost is a wooden box with a fixed template.