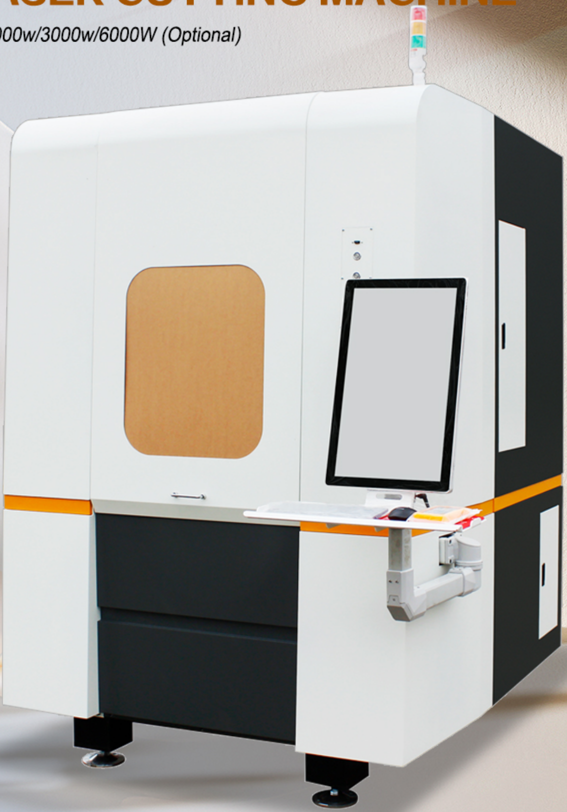
6060

HIGH PRECISION FIBER LASER CUTTING MACHINE

● ● ● ● ● *1500w/2000w/3000w/6000W (Optional)*



ISO CE SGS FDA

6060 is a high-precision, enclosed fiber optic cutting machine, mainly used for high-speed laser processing of thin plates. The entire machine operates stably, has mature technology, and has high cutting efficiency. Its floor space is approximately 2.9M^2.

In addition, we also offer two working widths: 600mm*600mm and 1300mm*900mm for your choice.

01

PRODUCT DISPLAY

LASER CUTTING

Original factory production

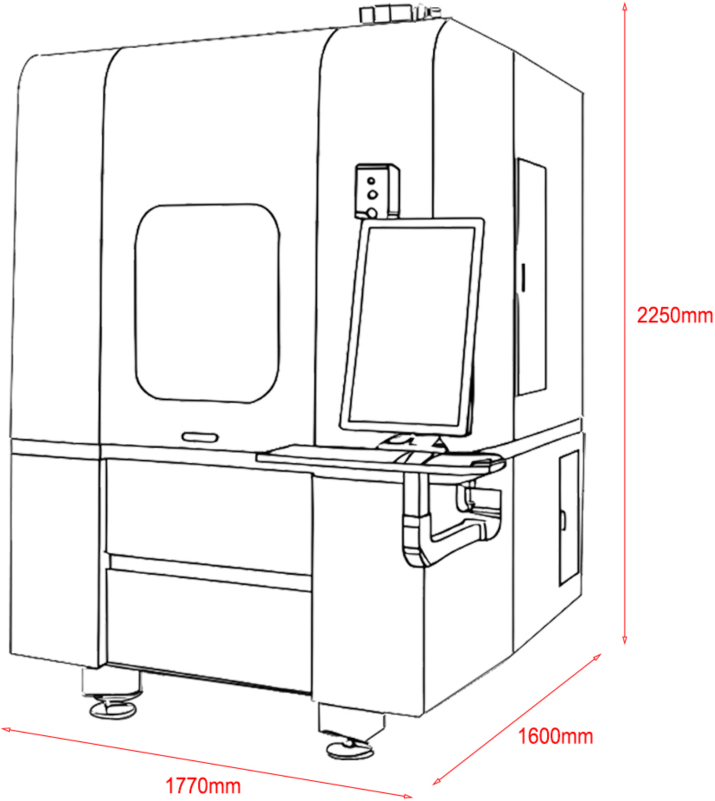
After-sales service

This machine is highly suitable for small-scale precision processing factories.

02 PRODUCT PARAMETERS

LASER CUTTING

Model	6060 fiber laser cutting machine
Working Area	600mm*600mm
Laser Power	1500w/2000w/3000w/6000W (Optional)
Laser Wavelength	1080nm
Cooling Method	Water cooling protection
Positioning Accuracy	±0.01mm
Operating mode	Continuous wave
Cutting head	Raytools / Boci
Water chiller	S&A / HanLi
Machine Size	1770*1600*2250MM
Laser Source	Raycus / MAX / IPG / RECI (optional)
Transmission	Ball screw transmission
Working Voltage	220V/380V



03 PRODUCT SELLING POINTS

LASER CUTTING

MACHINE FEATURES

1、This fiber laser cutting machine has a laser beam precision of up to 0.01 millimeters. It is highly suitable for precise cutting of small parts and offers excellent quality.

2、The high-performance laser device is associated with a stable operating system, which enables the best cutting results.

3、A complete cooling, lubrication and dust removal system ensures the stable, efficient and durable performance of the entire machine.

4、This small, enclosed structure can enhance the dust removal effect and avoid causing light pollution.

5、The automatic height adjustment feature maintains a constant focal length and ensures stable cutting quality.

6、It can process various metal materials and achieve excellent and stable cutting results.

04 PRODUCT CONFIGURATION

LASER CUTTING

BEAM MOTION
RayTools

LASER HEAD

Raytools / Boci (Optional)

- High-performance Auto-focusing Cutting Head
- Optimized optical configuration
- Protect modules for calibration and focus lens
- Drawer-type of lens mount, quick and easy use

LASER SOURCE

Raycus / MAX / IPG / RECI (Optional)

- Higher beam quality
- Having a higher photoelectric conversion efficiency
- Compact structure, ready for immediate use

MAX PHOTONICS
MFSC-2000

CONTROL SYSTEM

Raytools / BOCHU (Optional)

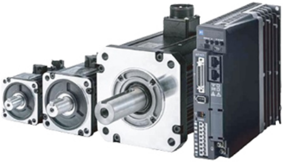
- Easy to use
- Various file editing functions
- Support remote control
- Real-time alarm and protection

WATER CHILLER

S&A / HanLi (Optional)

- Dual cooling function
- Real-time alarm
- Machine protection

PRO-Series
CWFL-2000
TEYU



SERVO MOTOR

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

JAPAN SHIMPO REDUCER

- High precision and high rigidity
- Using a helical gear structure, it effectively reduces operating noise.
- Use high-grade lubricating grease, with a maintenance period of up to 20,000 hours.

AIRCRAFT ALUMINUM GANTRY FRAME

- Made by extruding aluminum profiles
- Has excellent acceleration performance
- Effective deformation suppression capability

LINKING CHAIN

- Resilient
- Resistant to high temperatures
- Non-breakable
- Use high-quality nylon raw materials

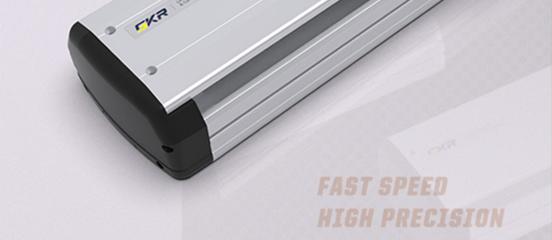
INDUSTRIAL AIR CONDITIONING

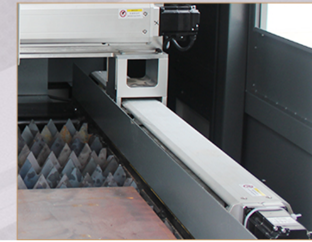
(Optional)

- Cooling and Dust Prevention
- Energy conservation and environmental protection
- High efficiency and low noise

BALL SCREW MODULE

- Light and precise, with outstanding strength
- Embedded guide rails, integrated structure
- Fast speed, high stability



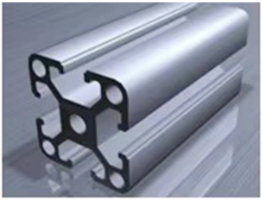


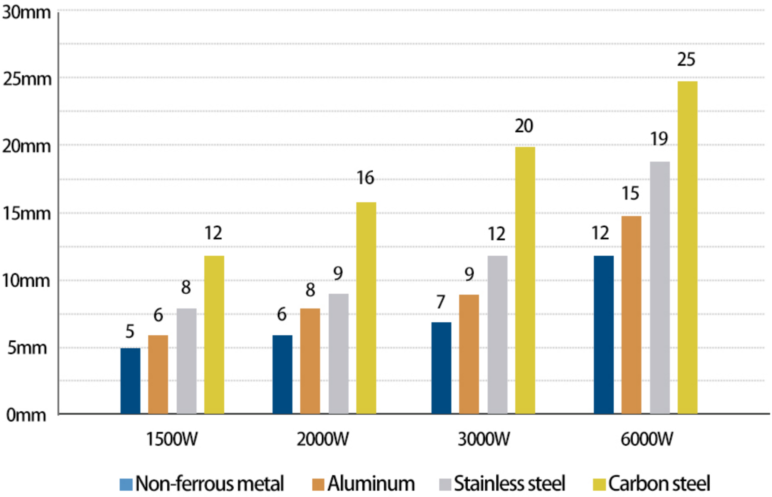
05

SAMPLE DISPLAY

LASER CUTTING

See you at 1058
2015.3.14





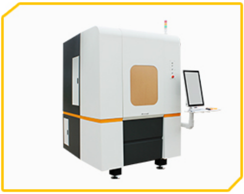
APPLICABLE MATERIALS:

Fiber laser cutting equipment is suitable for cutting stainless steel, carbon steel, aluminum plates, copper plates, and alloy metals, etc.

The different cutting thicknesses depend on the various laser power settings in the sheet metal laser cutting machine.

06 DELIVERY PROCESS

LASER CUTTING



01.Machine cleaning and Protective oil processing

02.Wrapping with protective film

03.Forklift loading

04.Container loading

05.Container Sealing

06.Transportation

07 QUALITY INSPECTION

LASER CUTTING

01
Machine Beda

Adjust the height of thefeetaccording to the test

02
RailInstallation

Use photoelectric autocollimator todetect the straightness and

03
Rack Installation

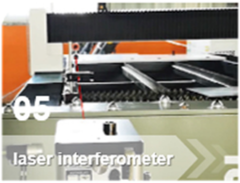
The relative position of the guiderail and the guide rail is results ofthe strip level to ensure the accuracyof subsequentinstallation.

flatnessof the guide rail to ensure that thedetection value is within thestandard range

locked andclamped by the measuring rodStatistics and analysis ofmeasurement data to ensure thatthey are parallel.

04
Beam inspection

After the beam is installed .use athree-coordinate measuringinstrument to check the coaxiality toensure the relative perpendicularityofthe X/Y/Zthree-axis



The laser interferometer tests theX/Y-axis positioning accuracy toensure the accuracy of the wholemachine..

06
Cutting test

Simulate the high-intensity test ofvarious harsh conditions in theactual use of the equipment , and atthe same time , according to therequirements ofuse , rationalize theimprovement toensure thefactory pass rate and improve thereliability of the equipment

07
Sample inspection

Cutting sample inspection

08
Packing inspection

Safe multi-layer packaging, or transport inwooden cases

XIANMING LASER

08 COMMON PROBLEM

LASER CUTTING

Q:How can I choose the most suitable machine?

A:In order to recommend you the most suitable machine model, please let us know the following details: 1.What is your material? 2.The size of material? 3.The thickness of material?

Q:When I get this machine, how do I use it?

A:We will send operation video and manual for the machine. Our engineer will do training online. If needed, we can send our engineer to your site for training or you can send the operator to our factory for training.

Q:How about the shipping ways?

A: It can be transported by sea, by rail, by land, or by air. If special requirement,need tobe final confirmed on both sides.

Q:What is the payment terms?

A:The payment terms we accept include:Telegraphic Transfer(T/T)、Western Union、Alibaba Trade Assurance、Visa、Mastercard.