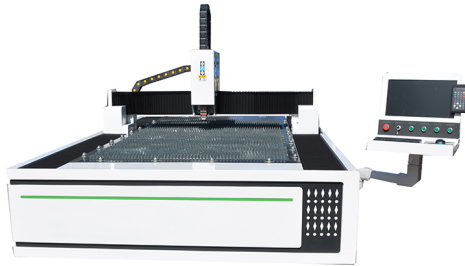


## Economic Fiber Laser Cutter Machine



Economic Fiber Laser Cutter Machine has the advantages of high processing quality, low procurement cost, simple maintenance, easy to use and wide application range. Therefore, this economical fiber laser cutting machine is more and more popular at home and abroad. This laser cutting machine can process most metal materials, such as stainless steel, carbon steel, galvanized sheet and so on. Widely used in sheet metal processing, lighting, kitchenware, decorative materials, cabinets and other industries.

Economic Fiber Laser Cutter Machine for Metal adopts precision servo motor with high precision transmission structure, large driving torque, small error, good dynamic performance; External protection design, CE standard protection safety window; Y-axis skateboard is made of cast aluminum, Z-axis integration system: ergonomic design, intelligent operation terminal, friendly interface, easy to learn, safe and reliable structure, less fault, high efficiency; Built-in remote auxiliary function, to deal with equipment failure, improve the time efficiency of equipment troubleshooting, effectively reduce the cost of after-sales service.

Economic Fiber Laser Cutter Machine is a small and medium power laser fiber machine, and its best-selling version is a 1000w 1500w 2000w and 3000w 4000w 6000w fiber laser cutting machine. This machine is not only cheap but also full-featured. It can cut metal plates below 20mm. If your budget is relatively small, then this cheap laser cutter is your best choice.



## Product Parameter (Specification)

Model	SN-3015F
Transmission	TAIWAN RAIL AND RACK
Laser Power	1.0kw 1.5kw 2.0kw 3.0kw 4.0kw
Working Area	SN3015F - 5'W x 10'L SN4020F - 6'W x 13'L SN6020F - 6'W x 20'L
Control Software	Cypcut Control System
Cutting accuracy	0.01mm
Fiber Laser Head	Raytools Cutting head
Gross Power	15KW
Machine Weight	14000KG
Voltage	380V,50Hz
Cutting Gas	Compressed air, oxygen, nitrogen
Cooling System	WATER COOLING
Driving System	YASKAWA SERVO MOTOR
Automatic Grade	Automatic
Phase	Three phase
Max. Acceleration	1.5G
Application	Mild Steel, Carbon Steel, Stainless Steel, Aluminum, Brass sheet tube cutting
Power Source	Raycus/IPG/MAX
Max Running Speed	4000 IPM   6000 IPM (Optional)
Max.Cutting Speed	30,000mm/min
Autofocus	Yes
Cutting Thickness	0 to 20mm (mild steel)
Support File Extension	Plt, bmp,dxf, jpg, tif, ai

## What is the Maximum Cutting Thickness ?

	1KW	1.5KW	2KW	3KW	4KW
CS(mm)	0.4-12	0.4-16	0.4-18	0.4-20	0.4-25
SS(mm)	0.4-5	0.4-6	0.4-8	0.4-12	0.4-12
Aluminum (mm)	0.4-3	0.4-5	0.4-6	0.4-8	0.4-12
Brass (mm)	0.4-3	0.4-5	0.4-6	0.4-6	0.4-8

## Industrial Fiber Laser Cutter for metal main feature

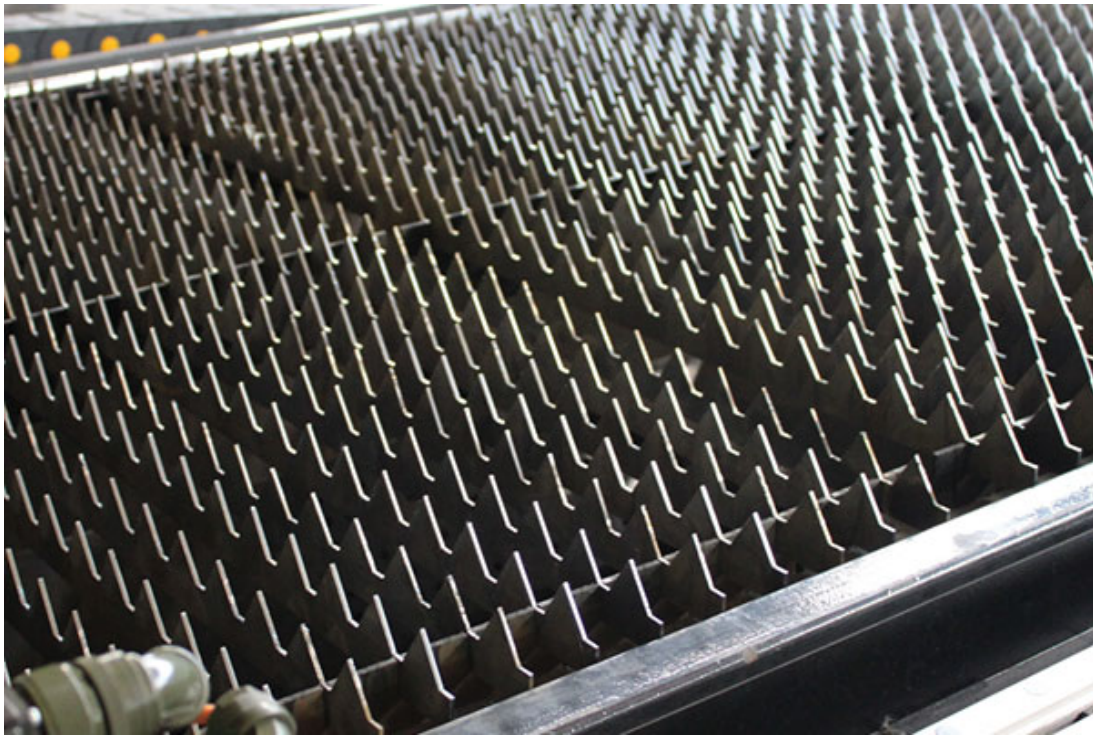
1. In the industrial fiber laser metal cutting machine, Raycus generator laser device with stable performance is used; the key parts can last 100,000 hours.
2. A sophisticated CNC control system that can directly read.ai,.plt,.dxf,.lxd, and ug code and is simple to use;
3. Intelligent cutting head with auto-height adjustment for consistent focal length and cutting quality.
4. High precision transmission device imported from Japan that works flawlessly with the servo system, ensuring cutting precision and efficiency.
5. Non-contact processing, smooth incision and no need for secondary rework.
6. Excel at processing complex graphics on different types of metal sheets

## Industrial Fiber Laser Cutter for metal main parts



### **CAST-IRON BED, ANTI-VIBRATION, STABLE, NO DEFORMATION**

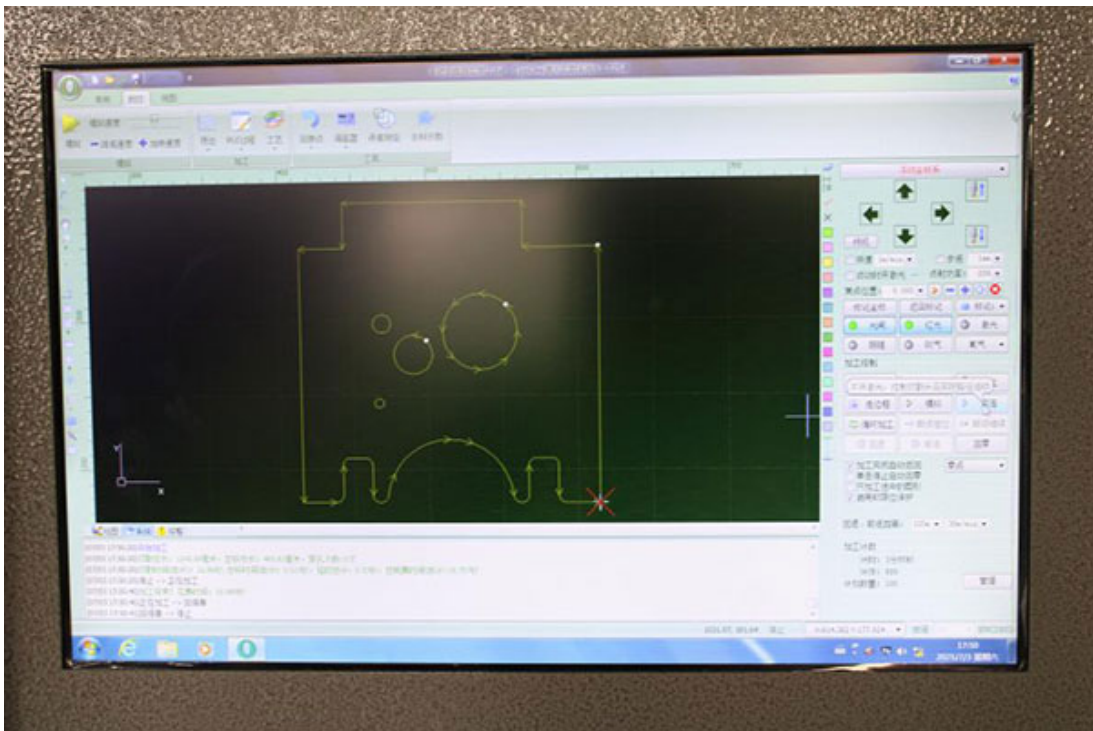
- The main frame adopts the gantry structure welded by all steel plates to ensure the long-term stability without deformation.
- Improve the stability and rigidity of the Y-axis beam.
- Using gantry rack double guide rail, double servo drive structure.
- Ensure the high precision and high dynamic performance of Y-axis beam movement.
- Y-axis beam runs smoothly at high speed, greatly reducing gas consumption.



## SERRATE WORKING PLATFORM

--The steel serrated table can withstand heavier work pieces and has only a small area to touch the workpiece when cutting, maximizing the melting of the table surface by the heat of the laser.

--Each piece is independent for easy replacement and maintenance.



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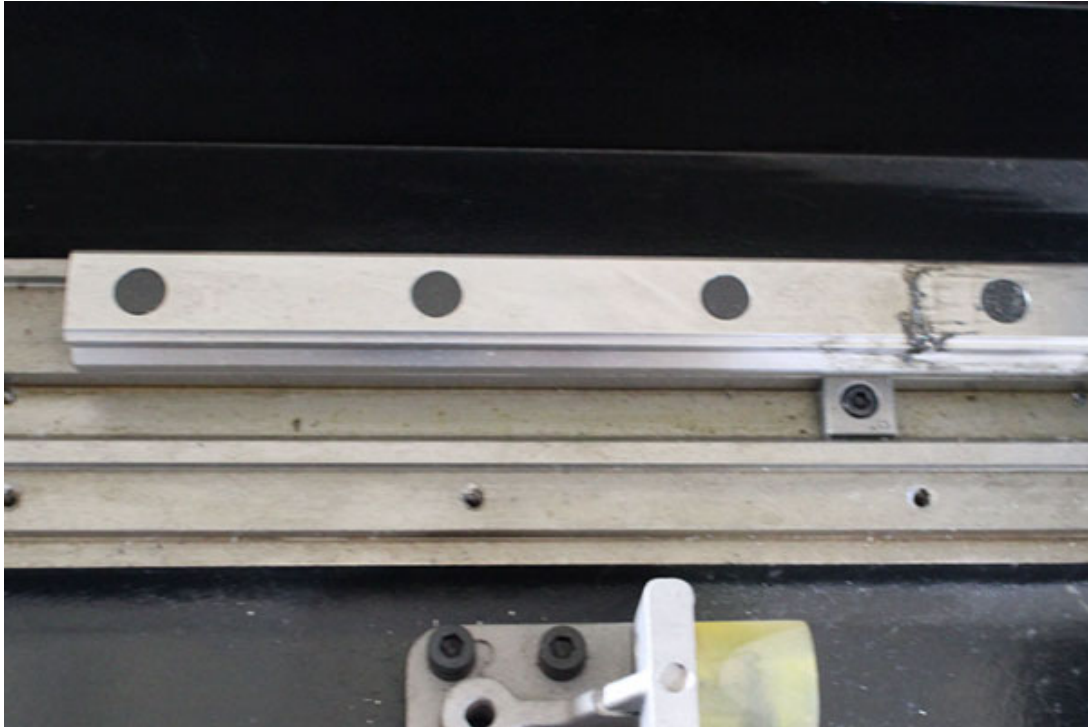
Tel: +86-15315239222

E-mail: sales@sunnaintl.com

## CYPUT CONTROL SYSTEM

--Support AI, DXF, PLT, Gerber, LXD and other formats, and accept the Cypat international standard G code generated by MaterCam, Type3, Wentai and other software.

--To use the easiest way to set the lead, slotted compensation, micro connection, bridge-connection, lead inside or outside, lead seal without gap and so on.

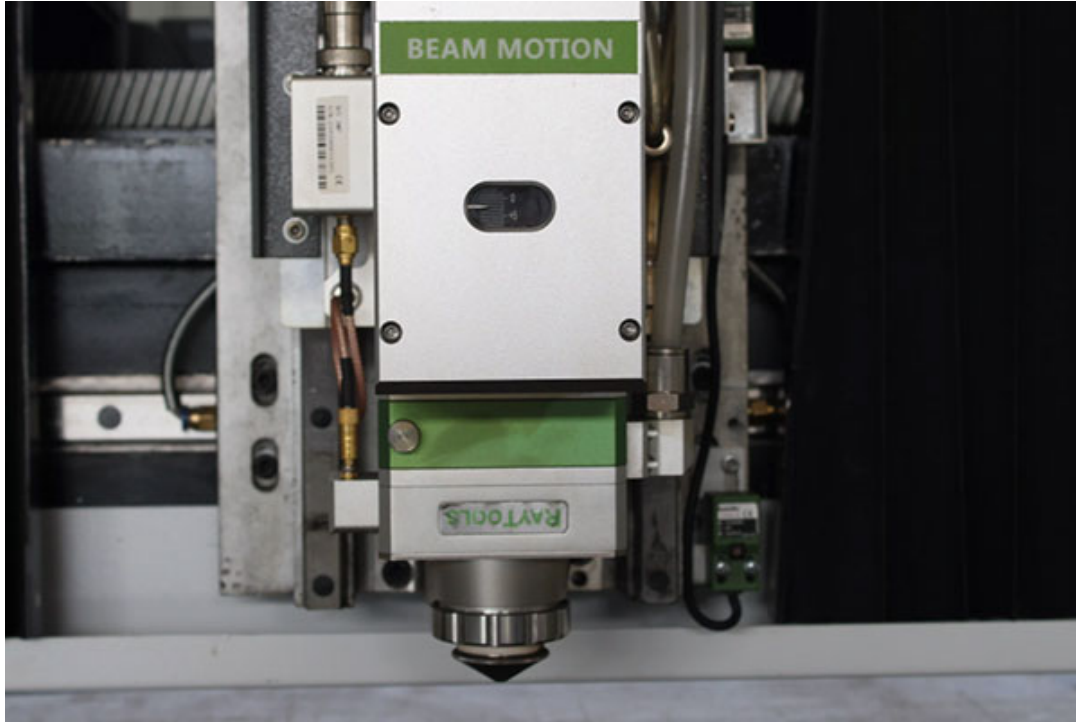


## GEARS, RACKS, GUIDES

--The guide rail and rack are calibrated by a precision collimator with an accuracy of  $\pm 0.02\text{mm}$

--Using Taiwan YYC rack, grinding on all sides. And there is a positioning pin design to prevent the rack from shifting

--Using Taiwan HIWIN guide rail, and use oblique pressure block design to prevent displacement of guide rail



## SWITZERLAND RAYTOOLS AUTO-FOCUS LASER CUTTING HEAD

--AUTOFOCUS: Through the built-in drive unit of the servo motor, the focusing lens is driven by the linear mechanism to automatically change the position in the focusing range.

--EFFICIENT: Reading the saved cutting parameters through the operating system can quickly change the focus position of the laser head, eliminating manual operation and improving efficiency by 30%



## FAMOUS BRAND LASER SOURCE

--We have professional sales and technician who can suggest you the most suitable laser source, depending your target price.

--Stable performance and high cost performance

--The fiber launch is stable, with long service life of nearly 100,000 hours

--It can run continuously 24 hours a day to meet the requirements of industrial continuous production





## CONTROL CABINET

All the electrical components are housed and wired in a doubled-doored electrical enclosure. This allows for easy access and service when needed. All wiring is tagged so that when service is required, the customer can easily navigate the cabinet



## HIGH QUALITY SERVO MOTOR

Composed of: servo drives and the servos move in all axes. With this motor, the machine can realize high-precision machining at high speed.



## WATER CHILLER

1--The function of the water cooler is to reduce the temperature of the laser generator and prevent the laser from being burned out. We only use brand-name water coolers with reliable quality.

2--Automatically adjust the temperature according to working environment, no need to change settings parameters;

3--Intelligent dual temperature dual control mode to satisfy different needs of a fiber laser device and the optics

## Applicable Industry and Materials

Fiber Laser Stainless Steel Cutting Machine is suitable for stainless steel, carbon steel, silicon steel, aluminum alloy, titanium alloy, galvanized steel, pickle plate, aluminum-plating Zinc plate, metallic copper and other metals.

Specially used for cutting 0.5-30mm carbon steel sheets (pipes), 0.5-15mm stainless steel sheets, galvanized steel(pipes), electrolytic zinc-coated steel sheet(pipes), silicon

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steel(pipes) and other kinds of thin metal sheets and pipes. Range of pipe diameters: 20-220mm.



## Fiber Laser Cutting Machine After Sales Service:

A.SUNNA INTL will supply fiber laser cutters with training videos and user's manuals in English for installing, operation, maintenance and trouble-shooting, and shall give technical guide by e-mail,whatsapp,wechat,telegram,teamviewer,telephone and so on, when you meet some problems of installation, using or adjusting.

B.You can come to our factory for training. SUNNA will offer professional guide. Direct and effective face-to-face training. Here we have assembled equipments, all sorts of tools and testing facility,we will also provide accommodation during training period.  
Training Time: 1-10 working days.

C.Engineers service machinery overseas

SUNNA has many years of experience in laser equipment supply, SUNNA is an expert in laser engraving and cutting machines and CNC routers, and has provided thousands of laser machines to customers worldwide. We also support OEM, welcome your inquiry.