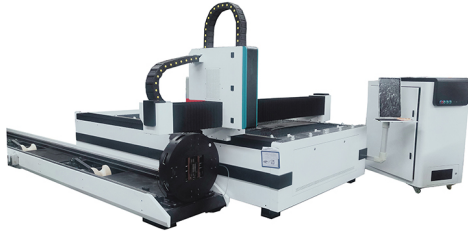


Fiber Laser Pipe Cutting Machine for Metal Sheet



Fiber Laser Pipe Cutting Machine for Metal Sheet
Dual-use metal sheet&tube laser cutting machine integrates sheet cutting and tube cutting in one machine. The open-type and enclosed-type series are optional.

The advantages of fiber laser cutting machine

Power consumption of fiber laser is only 20%~30% of CO2 laser. The increased electrical efficiency of fiber laser greatly reduces the power consumption of the fiber laser system, saving electricity costs and reducing the initial investment in electrical equipment.

The efficiency of a fiber laser far exceeds YAG or CO2 laser.

The projected lifetimes of fiber laser is greater than 100,000 hours of continuous or pulsed operation.

The fiber laser beam is capable of cutting reflective metals with much less energy as the laser is absorbed into the metal being cut.

1. Fiber Laser Pipe Cutting Machine for Metal Sheet

Introduction



2. Product Parameter (Specification)

Model	SN-1530F
Transmission	TAIWAN RAIL AND RACK
Control Software	Cypcut Control System
Cutting accuracy	0.01mm
Fiber Laser Head	Raytools Cutting head
Gross Power	15KW
Machine Weight	14000KG
Voltage	380V
Laser Type	Fiber Laser
Working Area	3000x1500mm , 6meters
Air Supply	O2, N2, AIR
Cooling System	WATER COOLING
Driving System	YASKAWA SERVO MOTOR
Automatic Grade	Automatic
Phase	Three phase
Acceleration Speed	1G
Application	Mild Steel, Carbon Steel, Stainless Steel, Aluminum, Brass sheet tube cutting
Cutting Thickness	12mm MS, 5mm SS, 3mm Alunminum brass
Power Source	MAX
Working Speed	140m/min
Autofocus	Yes

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

3.Fiber Laser Pipe Cutting Machine for Metal Sheet

Feature

- 1--Raycus fiber lasers source, high and stable function, lifespan is over 100000 hours
- 2--Perfect cooling system, lubrication system, and dust removal system: make sure fiber laser cutter can operate more stably, efficiently, and durably.
- 3--Professional CAD / CAM automatic programming software and automatic nesting software: it is possible to maximally save raw materials.
- 4--Sunna High Efficiency for photoelectric conversion: Compare with the CO2 laser cutters, fiber laser cutting machines have three times photoelectric conversion efficiency.
- 5--Affordable Cost: Save energy and protect the environment. The photoelectric conversion rate is up to 25-30%. Low electric power consumption, it is only about 20%-30% of traditional CO2 laser cutting machine.
- 6--Low Maintenance: fiber line transmission no need to reflect lens, save maintenance cost;
- 7--Easy Operations: fiber line transmission, no adjustment of the optical path.
- 8--Tube choose 3m or 6m tube you can choose.

4. Fiber Laser Pipe Cutting Machine for Metal Sheet Main

Parts Introduction

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

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

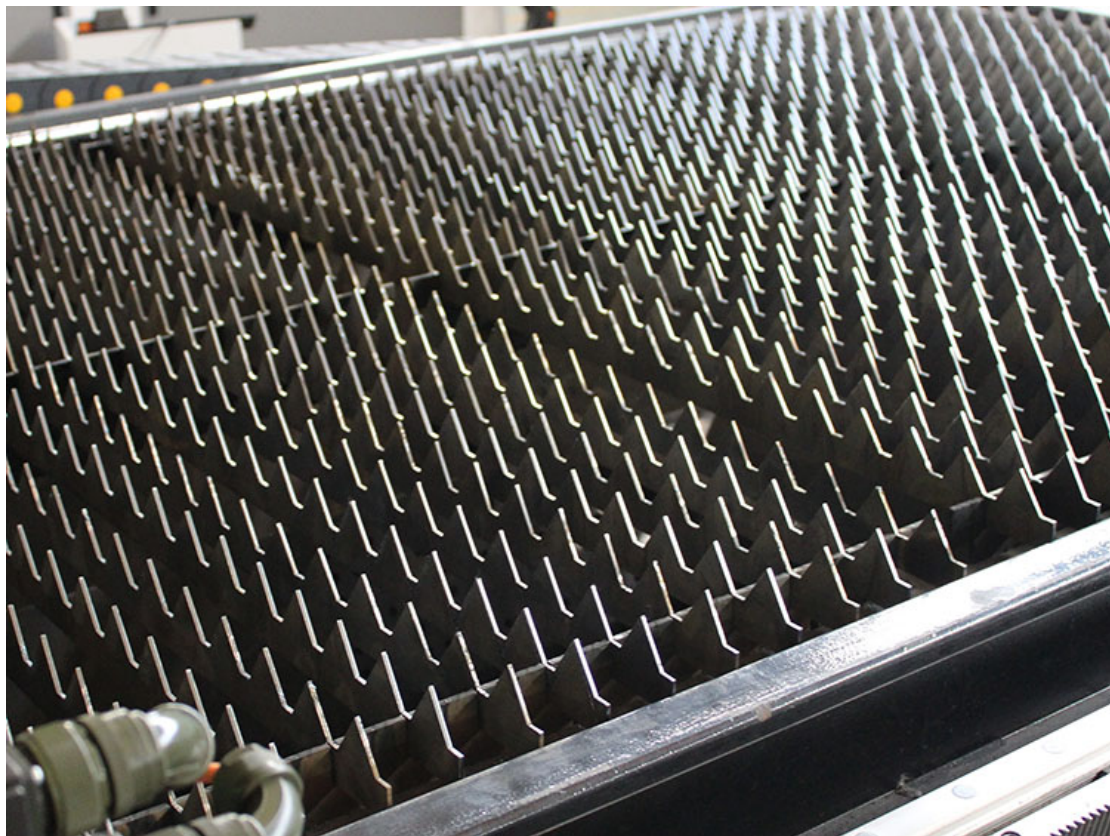


SERRATE WORKING PLATFORM

(1)--The Sunna 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.

(2)--Each piece is independent for easy replacement and maintenance.

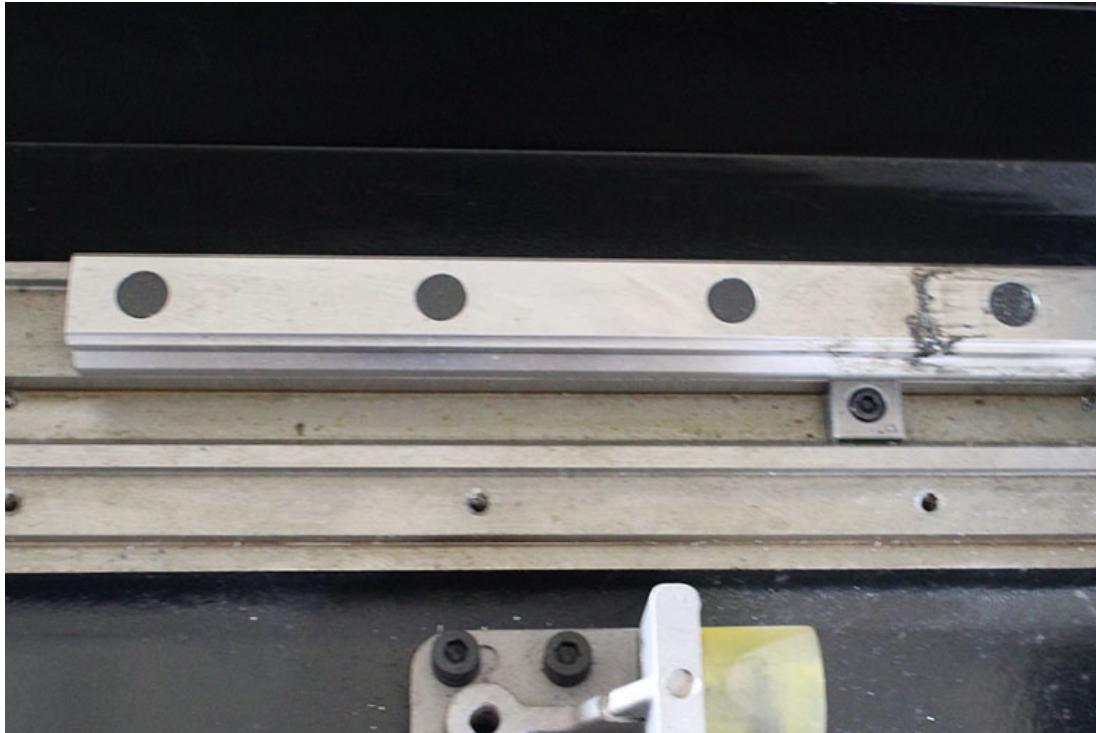


CYPCUT CONTROL SYSTEM

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SWITZERLAND RAYTOOLS AUTO-FOCUS LASER CUTTING HEAD

(1)--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.

(2)--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

- (1)--We Sunna have professional sales and technician who can suggest you the most suitable laser source, depending your target price.
- (2)--Stable performance and high cost performance
- (3)--The Sunna fiber launch is stable, with long service life of nearly 100,000 hours
- (4)--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

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.



Jinan Sunna International Trade Co.,Ltd.

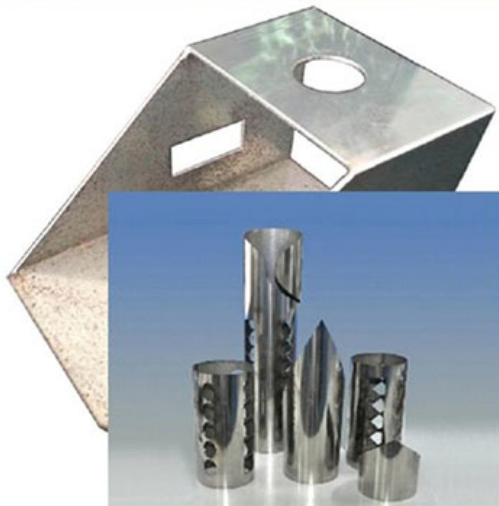
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5. Application

Fiber Laser Pipe 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 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

ODM/OEM customized projects allocate sufficient resources to ensure the first response, efficient collaboration with customers, shorten the research and development cycle, and help customers quickly realize product marketization.

MQ:1 SETS

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Wholesale Fiber Laser Pipe Cutting Machine for Metal Sheet & Pipe Fiber Laser Cutting Machine with 2 Years Warranty

process tubes length: up to 6m

process tubes diameter: 20mm to 200mm

sheet metal formats: 1.5×3m, 1.5×4m, 1.5×6m, 2×4m, 2×6m

fiber laser source: 1000W ~ 4000W

machinable materials: mild steel, stainless steel, aluminium, copper, brass, etc.