

Fiber Laser Cutting Machine



Features

- 1, Excellent beam quality:** smaller focused spot, cutting lines more sophisticated, higher productivity, better processing quality.
- 2, High cutting speed:** is the same power CO2 laser cutting machine twice.
- 3, High stability:** the world's top imported fiber laser, compact structure, small size, the use of fixed optical path, energy consumption, stable cutting quality.
- 4, High electro- optical conversion efficiency:** the ratio of fiber laser cutting machine CO2 laser electrical and optical conversion rate of 3 times, energy conservation and environmental protection.
- 5, Deep focus, spot small, small incision, cut straight wall, cut smooth, beautiful appearance without distortion.**
- 6, Low maintenance costs:** no working gas lasers; optical fiber transmission, without reflection lens; can save a lot of maintenance costs.
- 7, Using specialized software to achieve a variety of graphics and text processing in a timely manner, using a simple and convenient.**
- 8, The optical path unfettered, optical transmission loss is small, can maximize the processing range.**
- 9, Energy saving and environmental protection: 0.5- 1.5KWH of electricity per hour, in**



addition to improve the smoke, dust removal system.

10, The machine is equipped with a exchange double table. In the cutting process at the same time, you can load and unload the sheet workpiece. The table can be equipped with a rotating ball support, easy to move the plate, with a coarse positioning device, with the clamp can be rough positioning of the plate, while preventing sheet movement, to ensure the accuracy of parts processing and reduce waste material.

Industrial Applications

Widely used: electric kitchen, sheet metal chassis, equipment chassis, electrical equipment, lighting hardware, advertising signs, auto parts, display equipment, metal products, sheet metal cutting and other industries.

Applicable Materials

Can cut a variety of sheet metal, pipes, mainly for stainless steel, fast cutting carbon steel, manganese steel, galvanized sheet, plate various alloys, rare metals and other materials.

Parameters

Model	RJ3015A
Working Size	3000x 1500 mm
Laser Type	Chinese Raycus 1000W
Laser Wavelength	1070 nm+- 10nm
Control System	CypCut controller
Application materials	Middle thick sheet metal
Max. cutting speed	30m/min
Air- way speed	<= 80m/ min
Positioning accuracy	+ - 0.05mm
Repeat positioning accuracy	+ - 0.03mm/ m
Cooling	Water cooled CWFL- 1000
Driving System	Japan YASKAWA Servo motor and drivers
Follow up device	BCS100
Laser Head	Raytools from Swiss
Square rail	Taiwan CSK, X axis 25mm, Y axis 25mm, Z axis 15mm
Gear Racking	Taiwan T-win
Reducer	France Moto reducer
Machine table	Thicken blade
Other device	Feeding material roll ball and Reclaimer drawer
Minimum Line width	0.12mm
Working Voltage	3 phase 4 wires, 50Hz
Processing auxiliary gas	O2- for CS, N2- for SS

Focus system	Non-contact automatic tracking
Transmission	X Y axis is imported square rail and rack gearing. Z axis with imported ball screw

Work Samples

