



51" x 98" (1300mm x 2500mm) YAG Metal Laser Cutter

Item Code: LCM-JSQG-130250



FOB Price: **\$51,403/set**

Price: **\$46,730/set**

You Save: **\$4673.00(9%)**

Mini Order: 1 set

Shipping Weight: ★★★★★

Average Rating: 7579.0lb (3445kg)

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Overview

This metal laser cutter can cut brass, carbon steel, stainless steel, copper, titanium and ceramics etc. Maximum cutting thickness is 5mm stainless steel, 6mm steel, 2mm aluminium plate. It adopts gantry design, high precision ball screw gantry structure working table, which makes the machine achieve smooth edges, with few hot distortion and small cutting slot.

Machine introduction:

- It adopts ND: YAG medium, special designed flying light route system, high precision ball screw gantry structure working table, with 1300mm*2500mm maximum working area.
- Stable light route with high precision and quick process speed.
- The cutting machine can achieve smooth edges, with few hot distortion and small cutting slot from `the` straight side.
- It adopts CNC controlling technology with professional software, which can supports AI, BMP, PLT, DXF file formats, and it is easy to operate.

Advantages:

1. Gantry design. The short distance between the material and the optical laser let to not lose energy during transmission, ensuring the same result in the entire cutting area.
2. Laser cutting is a mode of non-touch processing. The size of the laser spot is smaller than 0.1mm after focus, so there is no design limit on the laser process.
3. The cutter can achieve a clean and smooth cutting edge so you don't need to post process the material after cutting.

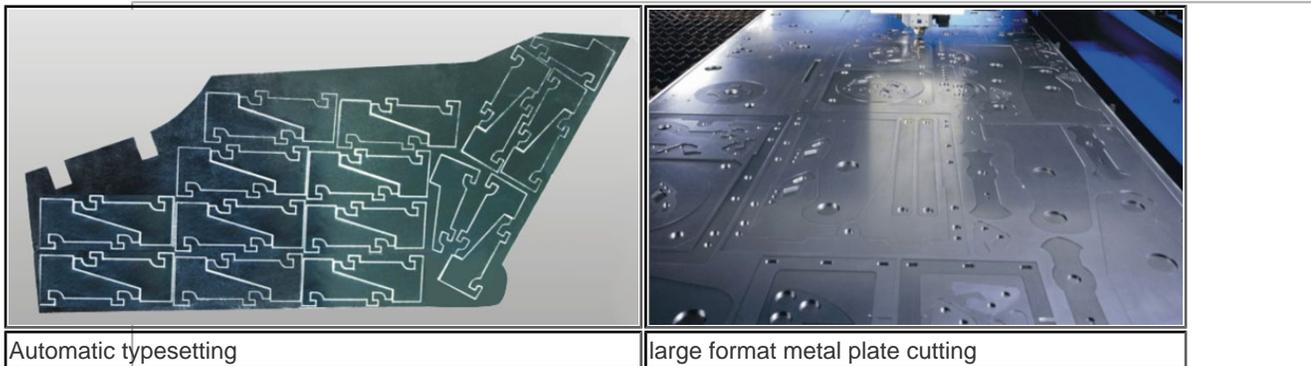
- The laser lens choose USA high focus, high penetrability, high quality focus lens.
- The cutting line width can reach 0.1mm-0.8mm.
- The laser wavelength is 1064nm.
- Laser pulse width can be 0.02-0.15ms (continuous adjusting).
- Laser pulse frequency is 1-500Hz (continuous adjusting).
- Maximum cutting thickness is 5mm stainless steel (500W YAG).

Applicable material: brass, carbon steel, stainless steel, copper, titanium and ceramics etc.

Spare Parts Function



The LCD screen control system makes easy to operate, just need to connect the computer with the machine using a USB cable and download the images.



Technical supports:

About Machines

1. We have the professional after-sale services teams. When you purchase a laser machine from `our` company, we will strongly suggest our customer send their engineer to our company to get a training free of charge; If their engineer has the basic knowledge of CorelDraw/AutoCAD/Photoshop, the training will be going more fluently, and it will only take three days.
2. During the training, we will teach them the general operation rule, maintenance method, and the solution of the general problems of the machines.
3. During the working process of the laser machine at the customer facilities, if there is any very difficult problems which the customers don't know how to solve, we will provide the corresponding solution to customers via telephone or internet (such as e-mail, MSN , Skype).
4. If the problems still can't be solved via telephone and internet, we will send our technical engineer to visit customer facilities to solve the problem directly according to the actual situation at that moment.

Spare Parts

If the parts was broken during the warranty period, we will provide a new parts free of charge; If the parts was broken when the warranty period is expired, customer can buy a new one from `our` company.

About warranty

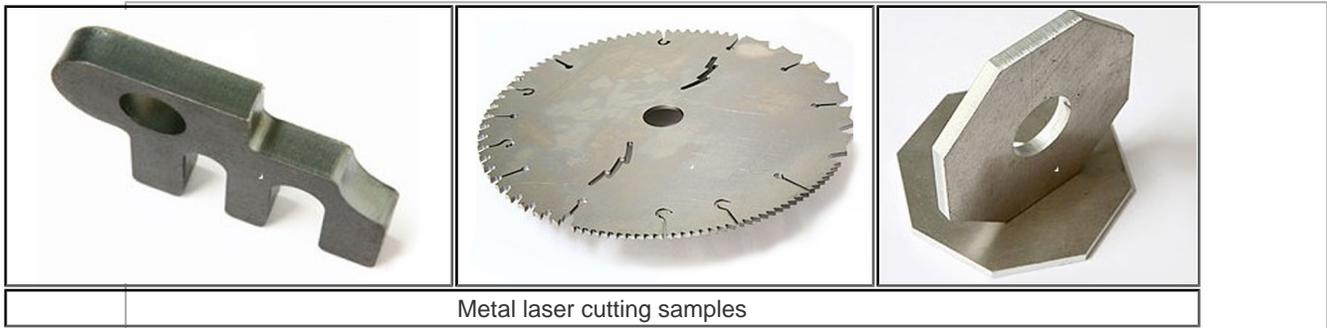
The warranty period of the laser machine is 1 year.

Spare Parts

Model	Item	Qty(pc)	Unit price(\$)	Price(\$)
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SIC-JSQG-001	laser gun set		1	440	440
SIC-JSQG-002	All-mirror		1	150	150
SIC-JSQG-003	All-mirror		2	150	300
SIC-JSQG-004	Output-mirror		1	150	150
SIC-JSQG-005	Filter element		1	18	18
SIC-JSQG-006	Xenon lamp tube 250W		4	115	460
Total					1518

Samples:



Details

Positioning Precision	0.03mm
Resolution	0.01
Max. Cutting Thickness	0.2" (5mm)
Max. Cutting Speed	1.0" (25mm)/s
Effective Cutting Area	51.2" x 98.4" (1300 x 2500mm)
Support Image Format	AI?BMP?DXT?CAD?PLT
Laser Power	500W
Interface	USB

Specifications

Essential parameter

Model	LCM-JSQG-130250
Travel Method	Stationary table, Gantry style
Control Method	X, Y axis motorized controlled
Travel Amount (X, Y, Z axis)	1300mm*2500mm*18mm (standard) customized by requirements
Feed Rate (X-axis)	98.4" (2500mm)/s2
Rapid Speed (Y-axis)	78.7" (2000mm)/s2
Rapid Speed (Y-axis)	23.6" (600mm)/s
Max. Worksheet Loading Capacity	300kg
Repeatability Positioning Accuracy	0.01mmv
Least Command Increment	0.002mm
Drive Feed Method	2204.6lb (1000kg)
Machine Table Height	23.6" (600mm)
Power Supply (only for machine)	380V 50HZ
LASER OSCILLATOR	
Laser Oscillation Method	Lamp pump YAGv
Laser Output (Output Rated)	500W
Stability	3%
Frequency	1-300HZ
Output Beam (Wavelength)	1064nm
Mode	Multi mode
Diameter	0.1mm after focus
CNC CONTROL UNIT	
CNC Unit	Yaskawa AC servo motor

CNC Control Method	Semi-close loop control
Control Functions	X, Ycontrolled (simultaneously controlled)
Input Method	USB, Net port, memory stick
Least Input Increment	0.02mm
Minimum Position detection Accuracy	0.02mm
Program Storage Capacity	128M flash memory in machine
Operating Modes	Windows XP support
Display Function	Cutting process Position information Parameters design monitor
I/O Interface	RS232C
Display	5 inch screen display
Packaging	Fumigation free package
Packing Size	Machine body: 208.7" x90.6" x 70.9" (5300 x 2300 x 1800mm) Controller: 39.4" x 39.4" x39.4" (1000 x 1000 x 1000mm) Water chiller: 67.3" x 30.7" x 67.4" (1710 x 780 x 1660mm)
Gross Weight	Machine body: 6834.4lb (3100Kg) Controller: 330.7lb (150Kg))Water chiller: 429.9 (195Kg)

Tags

[YAG Laser Cutter Machine](#) [Metal Laser Cutter Machine](#) [Laser Cutter Machine](#)



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