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## 51" x 118" (1300mm x 3000mm) YAG Metal Laser Cutter

Item Code: LCM-JSQG-150300



FOB Price: **\$58,920/set**

Mini Order: 1 set

Shipping Weight: ★★☆☆☆

Average Rating: 7579.0lb (3445kg)

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### Overview

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**Machine introduction:**

- It adopts ND: YAG medium, special designed flying light route system, high precision ball screw gantry structure working table, with 1500mm\*3000mm 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.

**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.



? It selects collocation kick starter for operation.



- 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).
- Max cutting thickness is 5mm stainless steel (500W YAG)

### 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

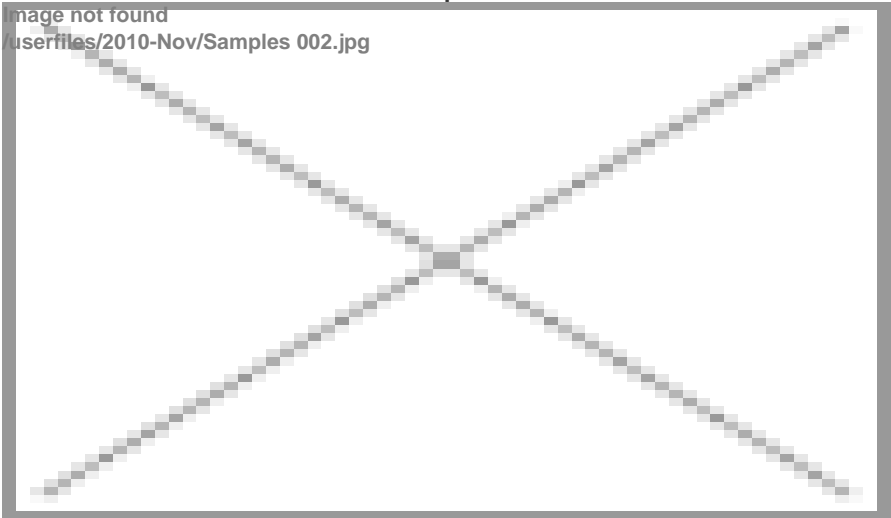
The warranty period of the laser machine is 1 year.

#### Spare Parts

Model	Item	Qty(pc)	Unit price(\$)	Price(\$)
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

Support Image Format	AI?BMP?DXT?CAD?PLT
Positioning Precision	0.03mm
Resolution	0.01
Max. Cutting Speed	1.0" (25mm)/s
Max. Cutting Thickness	0.2" (5mm)
Interface	USB
Effective Cutting Area	59.1" x 118.1" (1500mm x 3000mm)
Laser Power	500W

Specifications

Essential parameter

Model	LCM-JSQG-150300
Travel Method	Stationary table, Gantry style
Control Method	X, Y axis motorized controlled
Travel Amount (X, Y, Z axis)	1500mm*3000mm*18mm (standard) customized by requirements

Feed Rate (X-axis)	98.4" (2500mm)/s2
Rapid Speed (Y-axis)	31.5" (800mm)/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	position control / AC servo motor
Machine Table Height	23.6" (600mm)
Power Supply ( only for machine)	380V 50HZ
<b>LASER OSCILLATOR</b>	
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
<b>CNC CONTROL UNIT</b>	
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
Package	Famigation free package
Packing Size	Machine body:208.7" x 90.6" x 70.9" (5300 x 2300 x 1800mm) Controller: 39.4" x 39.4" x 39.4" (1000 x 1000 x 1000mm) Water chiller: 67.3" x 30.7" x 65.4" (1710 x 780 x 1660mm)

Gross Weight	Machine body: 6834.4lb (3100Kg) Controller: 330.7lb (150Kg) Water chiller: 429.9lb (195Kg)
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### Tags

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