



24" x 31" (600mm x 800mm) YAG Metal Laser Cutting Machine

Item Code: LCM-JY-KJG6080



FOB Price: **\$35,352/set**

Mini Order: 1 set

Shipping Weight: ★★★★★

Average Rating: 2882.0lb (1310kg)

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Overview

This metal laser cutting machine uses ND: YAG medium, fixed light route, crossing slide movable working table is special for cutting any corner of working table, which is 600*800mm (24"*31"). It can reduce the cutting slot by linear polarization. Stable light route, high precision, quick process speed.

The hot distortion is very low, the cutting slot of the straight side is small, and the cutting edge is very smooth.

Main Application:

The metal laser cutter is mainly used for thin stainless iron & steel cutting, in the sheet metal industry and the letter cutting (like stainless steel and titanium letters) in the sign industry.

This metal laser cutting machine has great advantages for metal-cutting. It will work immediately when switched on, which is energy-saving and quite convenient to operate.

Applicable Materials:

Brass, carbon steel, stainless steel, copper, titanium and ceramics etc.

Product Highlights:



. Middle format working area and fitting sheet metal processing.

. Using optimized YAG lamp-pumped solid laser device: single laser cavity or dual laser cavity, it can output high optical quality and high power laser.

. Maximum cutting thickness is 4mm for a stainless steel sheet (500W YAG).

. A cross slide working table is installed in the existing metal marking machine, so when cross table slides, the original work area table becomes a 9 slide work area. See graphic below:

Cross Slide Working Table:

This shows that the crossing slide means to be added a set of X,Y-axis motion system below the working table, the movement of the working table realized the design with large-area connection.

- High precision ball-screw moving system and LCD display, ideal for sheet metal laser cutting solutions. Use a USB cable to plug the machine into `your` computer's USB port, and download images from `the` computer to the machine. Easy to operate, you can use one computer to control several metal laser cutting machines.



. The laser metal cutter selects the collocation of the kick starter for operation, with USA comparable high quality focus and penetrability.



. The metal laser cutter uses CNC controlling technology with professional software that supports AI, BMP, PLT, DXF file formats, for an easy operation.

. CE & FDA certification to guarantee international standards and safety regulations.

Spare Parts:

500W xenon lamp tube(2 pc of 250W): +\$440

Totally reflective mirror: +\$168

Half reflective mirror: +\$168

Lens Protect: \$27

Warranty and Aftersales Service:

Comprehensive warranty for one year except spare parts.

24-hour technical support via email or telephone.

User-friendly English manual for machine use and maintenance.

Samples:



Details

| | |
|------------------------|--------------------------|
| Interface | USB |
| Support Image Format | PLT, DXF, BMP, AI |
| Positioning Precision | 0.015mm |
| Resolution | 1000dpi |
| Max. Cutting Thickness | 4mm (stainless steel) |
| Effective Cutting Area | 600*800mm (24"*31") |
| Max. Cutting Speed | 10mm/s (stainless steel) |
| Laser Power | 500W |

Specifications

| Specifications | |
|---------------------------|--|
| Laser Generator | xenon lamp tube solid laser generator (xenon lamp tube: you can use about 600 hours) |
| Laser Power | 500W |
| Laser Wavelength | 1064nm. |
| Cutting Area | 600×800mm (24"×31") |
| Cutting Line Width | 0.1mm-0.8mm |
| Maximum Cutting Speed | 10mm/s (stainless steel) |
| Maximum Cutting Thickness | 4mm (stainless steel) |
| Fixed Precision Position | 0.015mm |
| Laser Pulse Width | 0.02-0.15ms, continuous adjusting |
| Laser Pulse Frequency | 1-500Hz, continuous adjusting |
| Transmission Method | Servo Ballscrew |
| Red Laser Pointer | Yes |

| | |
|-------------------|---|
| Control Software | Special cutting software |
| Control System | Offline movement control |
| Supported Format | PLT, DXF, BMP, AI |
| Power Supply | 380v, 50Hz |
| Main Components | Machine body, controller, water chiller |
| Optical Device | Optical device 250W xenon lamp tube |
| Spare Parts | 250W xenon lamp tube, totally reflective mirror, half reflective mirror, lens shield |
| Machine Dimension | Machine body: 1420×720×1520mm(56" ×28" ×60") Cross slide working table: 1920×1720×1000mm(75.6" ×67.7" ×39.4") Controller: 1080×620×1200mm(42.5" ×24.4" ×47.2") Water chiller(12.5KW): 1580×680×1420mm(62" ×27" ×56") |
| Machine Weight | Machine body: 180KG Cross slide working table: 570KG Controller: 1200×760×1430mm(47.2" ×30" ×56.3") Water chiller(12.5KW): 1710×780×1660mm(67.3" ×31" ×65.4") |
| Packaging | Fumigation free package |
| Packing Size | Machine body: 1570×860×1760mm(62" ×34" ×70") Cross slide working table: 2060×1850×1150mm(81" ×73" ×45.3") Controller: 1200×760×1430mm(47.2" ×30" ×56.3") Water chiller(12.5KW): 1710×780×1660mm(67.3" ×31" ×65.4") |
| Gross Weight | Machine body: 245KG Cross slide working table: 670KG Controller: 200KG Water chiller(12.5KW): 195KG |

Tags

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