



## 51" x 24" (1300mm x 620mm) Laser Cutting & Engraving Machine

Item Code: LEM-CM120



FOB Price: **\$7,270/set**

Mini Order: 1 set

Shipping Weight: ★★★★★

Average Rating: 1793.3lb (815.12kg)

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### Overview

**Main Function:** Scan/engrave/cut

**Application:**

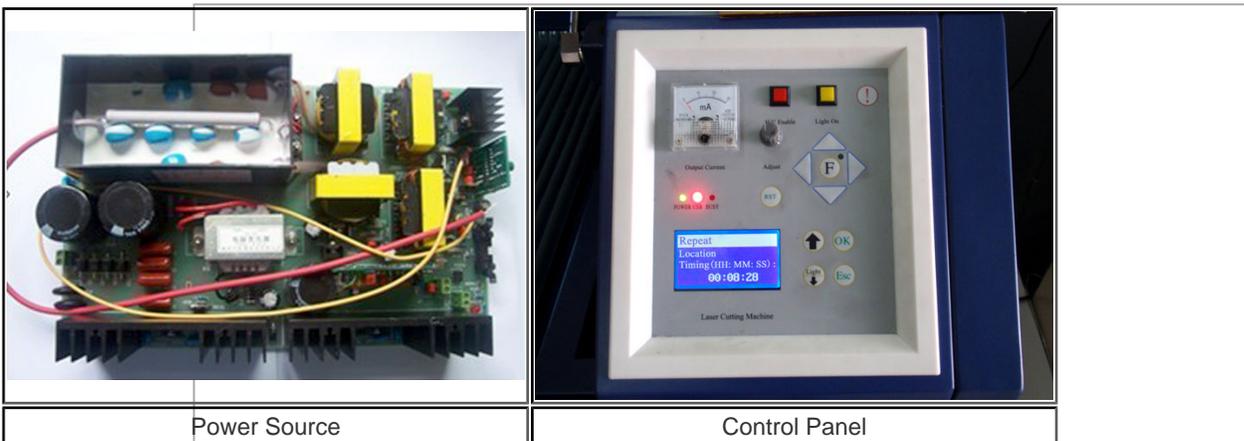
This series of cutting and engraving machine is suitable for advertisement decoration, art gift, cutting of model, toy, paper products and other industries.

**Materials that can be engraved:**

This cutting and engraving machine can engrave and cut nonmetal materials and coated or painting metals, such as bamboo, coconut shell, plexiglass, acrylic, rubber, paper, and so on. With the rotating unit, it can work on cylinder object such as cup, pencil vase and so on.

### Product Highlights:

- . This laser cutting & engraving machine is updated from LCM-B series, it includes all functions of LCM-B series, but increases a large-scale of automatic **up-down lifting worktable**, so its max. height of processing can reach 210mm (8.27").
- . More beautiful appearance, higher quality than LCM-B series laser cutting machine.
- . Adopt the super fine cutting technology. The accuracy is greater, the tremble is slighter, cutting curve is smoother.
- . **USB data interface**, you can use MSF to save multiple files at the same time.
- . **Two sets of software** with the machine, CSACE and Print Driver. CSACE can input BMP, PLT file format design, then edit and output them; Print Driver can directly output many file format in Windows system, like Photoshop, CorelDraw, AutoCAD, etc.
- . LCM-CM120 laser cutting & engraving machine is equipped with knife shape aluminum rib working table, which can avoid producing defective products due to the reflection of rib piece when cutting acrylic and wood, it also makes the finished products fall below the drawer.
- . LCM-CM120 laser cutting & engraving machine adopts high quality **CO2 80W glass laser tube** made in China with fine cutting effect and advantage of price.
- . With high quality water chiller for you option. The water chiller can extend the using life of laser tube and ensure better engraving effect.
- . **Power Source** is the core technology, this laser engraver adopts original alterable internal resistance mode instead of traditional PWM pulse width modulation mode. New power source mode has more powerful internal resistance, higher stability and higher reliability, which can raise good ballast effect.
- . **LCD display** makes the laser cutting machine easy operation and ensure your safe.



Power Source

Control Panel

### Spare Parts:

- Glass laser tube 80W (length: 1.6m) +\$525
- Reflective mirror(Dia.: 20mm): +\$30
- Focus lens: +\$98

### Optional Device:

- Glass laser tube 100W (length: 1.6m):+\$882
- Water chiller: It can extend the using life of laser tube and ensure the engraving effect is better.+\$331
- Small Rotating Fixture: Used for ?5-20mm column. +\$529
- Big Rotating Fixture: Used for ?8-150mm column. +\$551
- Three Claw Rotating Fixture: Used for ?160~260mm column, automatic alignment center. +\$889

**Note:** If you want to engrave and cut nonmetal materials with automatic up-down lifting worktable, and your cutting area is within 1300\*620mm(51.2"\*24.4") , this laser cutting & engraving machine is your best choice.

### Samples:



## Details

Support Image Format	BMP, PLT, compatible with many file format in
Engraving Precision	0.0009" (0.025mm)
Max. Engraving Speed	0-1496.1" (0-38000mm)/min
Effective Engraving Area	51.2" x 24.4" (1300 x 620mm)
Laser Power	CO2 glass tube 80W

## Specifications

Specification	
Model	LEM-CM120
Max. Cutting Area	51.2" x 24.4" (1300 x 620mm)

Laser Power	CO2 glass tube 80W (Nomal using life: about 1000 working hours)
Cutting Speed	0-38000mm/min(1496"/min)(adjustable)
Max. Cutting Thickness	1.182"(30mm) (acrylic)
Resolution	?8000dpi (8000dpi is the best)
Positioning Precision	0.0009"(0.025mm)
Whole Power	600-1500W
Cooling Way	Water cooling and protection system
Support Image Format	BMP, PLT, compatible with many file format in Windows system, like AI, CorelDraw, Photoshop, AutoCAD, etc.
Cutting Software	CSACE and print driver
Interface	USB, LPT
Power Support	AC 220V/50Hz
Standard Equipment	Knife shape aluminum rib working table, exhaust fan, exhaust pipe, water pump, air pump.
Spare Parts	Reflective mirror, lens, Laser tube.
Optional Device	R.F. tube 100W (recyclable), CO2 glass tube 100W, water chiller.
Machine Dimension	74.80" x 47.24" x 40.55" (1900 x 1200 x 1030mm)
Machine Weight	418.9Lb (190kg)
Package	Fumigation free package
Packing Size	80.71" x 55.51" x 55.51" (2050 x 1410 x 1410mm)
Gross Weight	705.5Lb (320kg)

## Tags

[51" x 24" Laser Engraving Machine](#) [Laser Engraving Machine](#)

## QA

Q

Which software is easy for me to get started?

A

If you're looking for a low cost, easy to use graphic software program, CorelDRAW is an excellent choice.

Reply by [sign-in-china](#)

Q

How long does it take to learn to use the laser?

A

If you know how to use graphic design software, you can be up and running in minutes. It will take a bit of trial and error to learn what power and speeds to use with different materials, but we include a comprehensive guide with your system that has recommended powers and speeds for various materials with which you will be working.

Reply by [sign-in-china](#)

Q

What types of graphics can I engrave and cut?

A

You can engrave scanned photos, logos, bitmaps, other images, text, AutoCad files. Essentially, if you can print it, you can engrave it. To cut, you will need a vector based graphic, such as an .eps or Illustrator file. Keep in mind the higher the quality of the graphic you're working with, the better your results.

Reply by [sign-in-china](#)

Q

Can this machine engrave on metal?

Our CO2 laser systems can engrave non-metallic or coated metal materials, our newest system, the FiberMark, was designed to permanently mark all types of metal.

Reply by [sign-in-china](#)

*A*

*Q* Can this machine cut metal?

*A*

Sorry, it can't.

Reply by [sign-in-china](#)

*Q* Is special safety gear is required to run the laser?

*A*

No special safety gear is required to run the laser.

Reply by [sign-in-china](#)

*Q* Let me know if you have a 100 watt machine?

*A*

We can change the 80Watt laser tube into `100` watt, we also have other laser cutting machines with laser tube of 100Watt, we need to recommend the most suitable laser power according to your usage and needs.

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*Q* Is working table moving (up & down)?

*A*

Yes, it has a large-scale of automatic up-down lifting worktable, and its max. Processing height can reach to 210mm (8.27")

Reply by [sign-in-china](#)

*Q* How much is the cutting's wrong?

*A*

The cutting's wrong has the big relationship with the materials will be cut. So different materials with different cutting's wrong, our machine has good quality and very good cutting effect!

Reply by [sign-in-china](#)

*Q* Is there any insurance and if some parts will be wrong how we can change it within insure?

A

We can provide you one year quality warranty, if some parts broken (exclude the spare parts), we will change the new part to you, please check the warranty and after sales description in the machine page.

Reply by [sign-in-china](http://www.sign-in-china.com)



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