



## 51" x 35" (1300mm x 900mm) Detachable Laser Cutter

Item Code: LCM-BY-Z1390



FOB Price: **\$5,794/set**

Price: **\$5,500/set**

You Save: **\$294.00(5%)**

Mini Order: 1 set

Shipping Weight: ★★★★★

Average Rating: 2194.7lb (997.6kg)

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### Overview

#### Main Application

Materials that can be cut: Non-metal materials, such as bamboo, plexiglass, acrylic, rubber, paper, and so on. With the improved linear guide, this machine has a perfectly cutting or engraving precision.

#### Main Configuration

Max. Working Area: 51" x 35" (1300mm x 900mm)

Max. Cutting Speed: 79" (24m) /min

Max. Engraving Speed: 131" (40m) /min

Laser Power: 100W

Max. Cutting Thickness (Acrylic): ?1.2" (30mm)

Resolution Ratio: 0.0064mm

Min. Shaping Character: Chinese Character: 0.1" x 0.1" (2mm x 2mm), letter: 1mm x 1mm

Location Precision: <0.01mm

Power Supply: AC 220V±10%, 50Hz

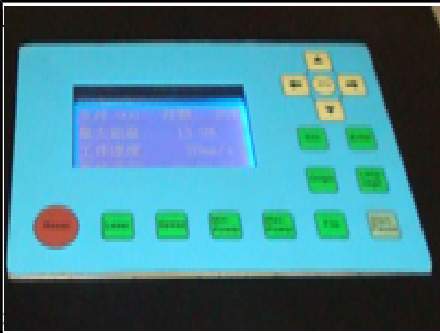
Gross Power: <1250W

#### Product Highlights

- 51" x 35" (1300mm x 900mm) working area
- Up to 26" IPS (660cm/s) high working speed
- Pass-through front and rear doors to accommodate long work pieces
- Three unique protection functions, i.e. anti-interference function, water-protective function and power cut-off function ensure longer working life, safety and effectiveness.
- Laminated Safety Glass, glass viewing windows creating a safe enclosure for laser processing.
- Adopt the super fine cutting technology, which has features of extensive material processing, smooth cutting edge and burr-free, avoid polishing, processing high speed, high precision.
- Original Singapore imported lens with molybdenum base, making the equipment produce smaller facula and stronger cutting force, greatly improving working efficiency and reducing cost.
- Exhausting, absorbing and assistant blowing systems solve the problem that troubles the laser equipments manufacturing industry for years, extending the life of the laser tube.

- The laser cutter is equipped with aluminum strip shape platform, which can bear heavier materials, such as organic glass, wood and much more.
- This machine uses USB port to transmit data, it is equipped with large internal memory capacity, improving the working speed with greater efficiency.
- LCM-BY-Z1309 laser cutting machine, adopts high quality of 100W CO2 glass laser tube made in China, with a fine cutting effect and price advantage.
- Equipped with high quality water chiller CW3000, which can prolong the lifespan of the laser tube and ensures a better engraving effect

**Components:**

Detachable Laser Cutter Machine Electric		Detachable Laser Cutter Machine Honey Comb Table
Image not found /userfiles/2011-Aug/Electical up-down platform		Image not found /userfiles/2011-Aug/Honey comb table(3).jpg
Electric Lifting Worktable(Optional)	Control Panel	Honey Comb Table(Optional)
Detachable Laser Cutter Machine Laser Head	Detachable Laser Cutter Machine Linear Guide	Detachable Laser Cutter Machine Rotary Fixture
Image not found /userfiles/2011-Aug/Laser head(3).jpg	Image not found /userfiles/2011-Aug/Linear guide(3).jpg	Image not found /userfiles/2011-Aug/Rotary Fixture(3).jpg
Laser Head	Linear Guide	Rotary Fixture(Optional)



**Instructions of Laser Engraving Cutting Software**

There are three kinds of RD laser cutting software. One is the direct output software based on CorelDraw (hereinafter referred to as CorelDraw\_Laser); the other is based on the direct output software based on AutoCAD (hereinafter referred to as AutoCAD\_Laser). In addition, there is another kind of independent software (hereinafter referred to as LaserWork), which is more simple to use in the first

stage of using laser cutting machines.

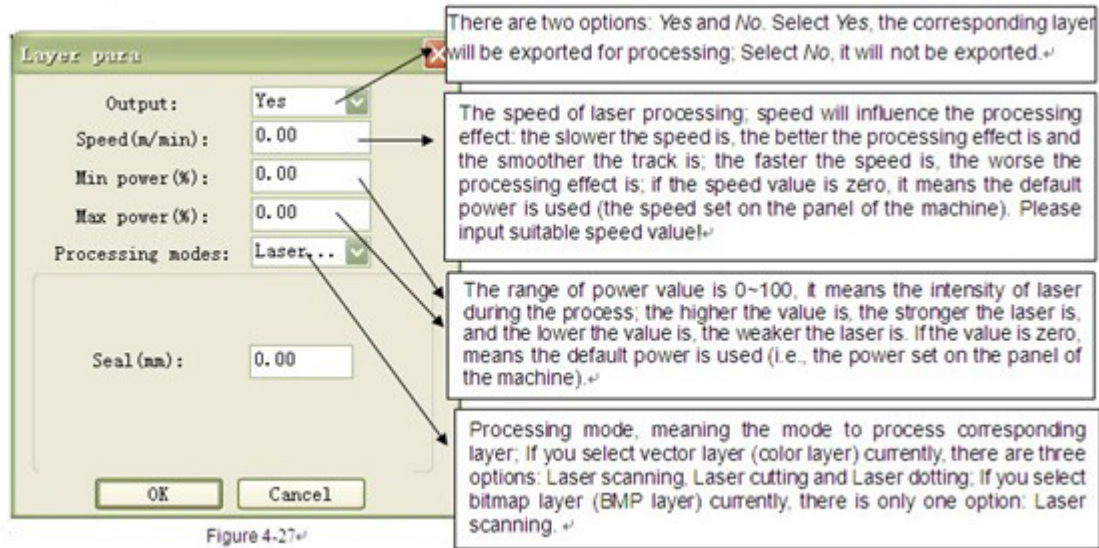
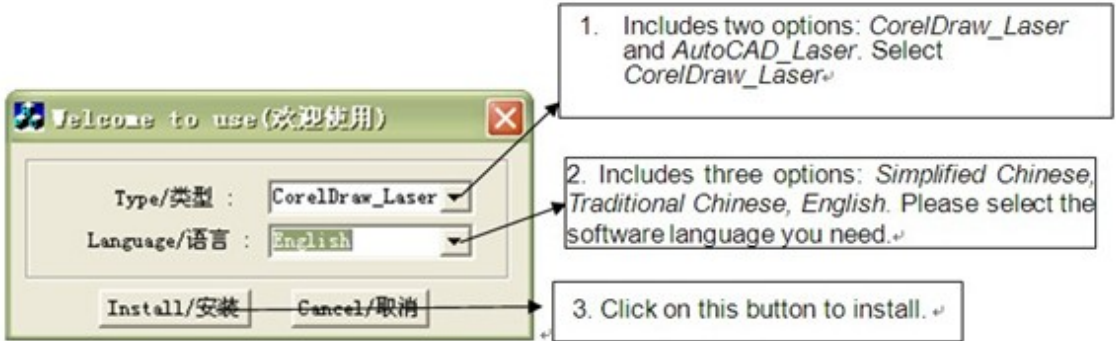
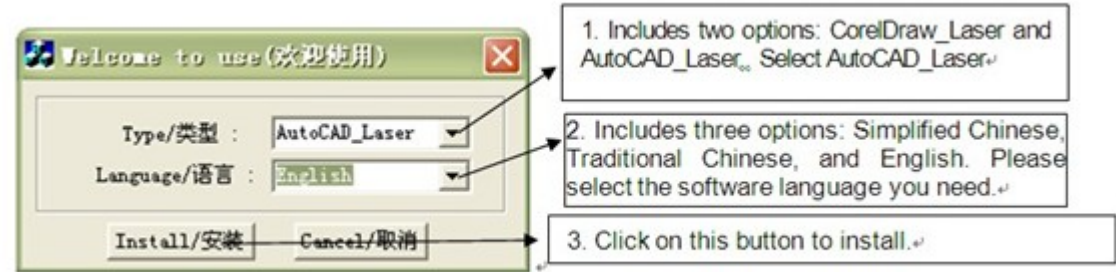


Figure 4-27

## Details

Interface	USB/COM
Support Image Format	BMP,PLT, AI, DXF
Positioning Precision	
Resolution	0.0064mm
Max. Cutting Thickness	(Acrylic): ?1.2" (30mm)
Max. Cutting Speed	944.9" (24000mm)/min
Effective Cutting Area	51.2" x 35.4" (1300 x 900mm)
Laser Power	100W

## Specifications

Model	LCM-BY-Z1390
Maximum Cutting Area	51" x 35" (1300mm x 900mm)
Laser Power	CO2 glass tube 100W (Normal lifespan: about 1000 working hours)
Cutting Speed	79" (24m) / min (Adjustable)
Maximum Cutting Thickness	1.2" (30mm) (Acrylic)
Resolution Ratio	0.0064mm
Positioning Precision	0.0009" (0.025mm)
Power	1250W
Cooling Method	Water cooling and protection system
Supported Image Formats	BMP, PLT, compatible with many file formats for Windows OS, such as AI, CorelDraw, Photoshop, AutoCAD, etc.
Cutting Software	CSACE and print driver
Interface	USB, LPT
Voltage	AC110V - 240V, 50Hz
Standard Equipment	Knife-shaped aluminum rib working table, exhaust fan, exhaust pipe, water pump, air pump, water chiller
Spare Parts	Reflective mirror, lens, Laser tube
Optional Device	CO2 glass tube 100W, 135W

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## Tags

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[Detachable Laser Cutter Machine](#) [Laser Cutter Machine](#)

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## QA

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Q

what is the cooling way is it? Air dry or water cooling?

A

The laser cutter cooled by water and it is standard with CW3000 water chiller.

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

Q

Does the standard accessories include the water pump and blower? Or these items must be purchased separately?

A

These parts are included in standard accessories. Kindly please check the packing list.

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

Q

I would like to use this laser cutter to cut the 35mm Acrylic, can it do?

A

Sorry, this laser cutter maximum cutting thickness is 30mm for acrylic with a 100W laser tube. You can choose cnc router to cut 35mm acrylic board, please refer to the website:

[http://www.sign-in-china.com/catalogs/52/CNC\\_Engraver\\_and\\_Router.html](http://www.sign-in-china.com/catalogs/52/CNC_Engraver_and_Router.html)

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

Q

What computer programs are compatible with this equipment?

A

The laser engraving and cutting machine is compatible with windows system, such as windows 98, 2000, XP and Windows 7 etc.

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

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