

Model

LCM-BY-Z1390-100W (ID:3577), LCM-BY-Z1390-150W, LCM-BY-Z1390-80W

Name

51" x 35" (1300mm x 900mm) Detachable High Precision Laser Cutting Machine, 100W Laser

51" x 35" (1300mm x 900mm) Detachable High Precision Laser Cutting Machine, 150W Laser

51" x 35" (1300mm x 900mm) Detachable High Precision Laser Engraving and Cutting Machine, 80W Laser

Overview	Specifications	Packing list	Warranty	Video & samples
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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 / 150W / 80W

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: <0.01 mm

Power Supply: AC 220V $\pm 10\%$, 50Hz

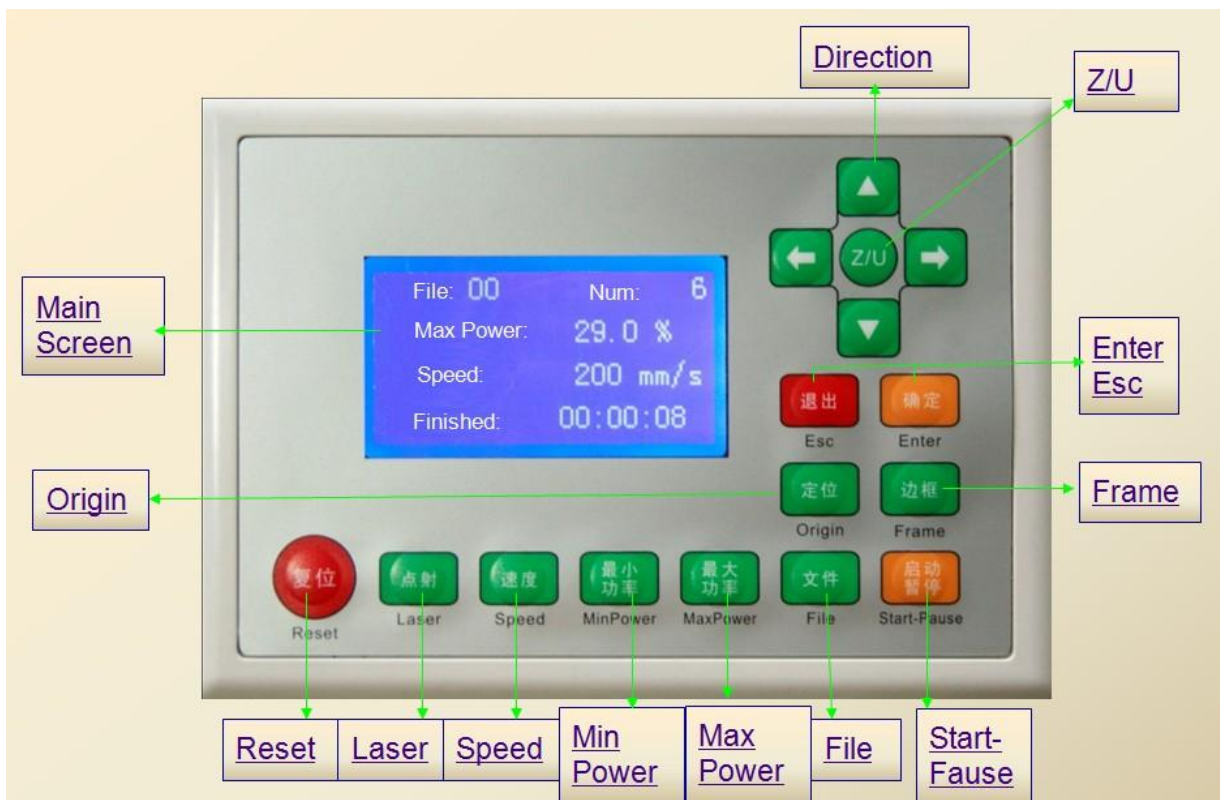
Gross Power: <1250 W

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 CO2 glass laser tube made in China, with a fine cutting effect and price advantage.

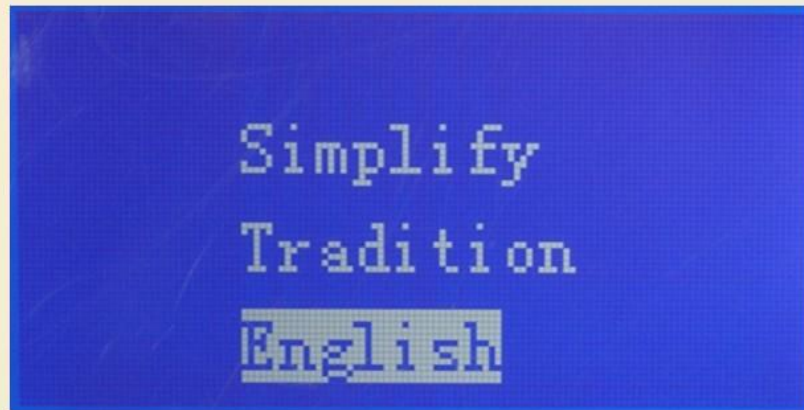
◆Equipped with high quality water chiller CW3000 / CW5000, which can prolong the lifespan of the laser tube and ensures a better engraving effect

Details



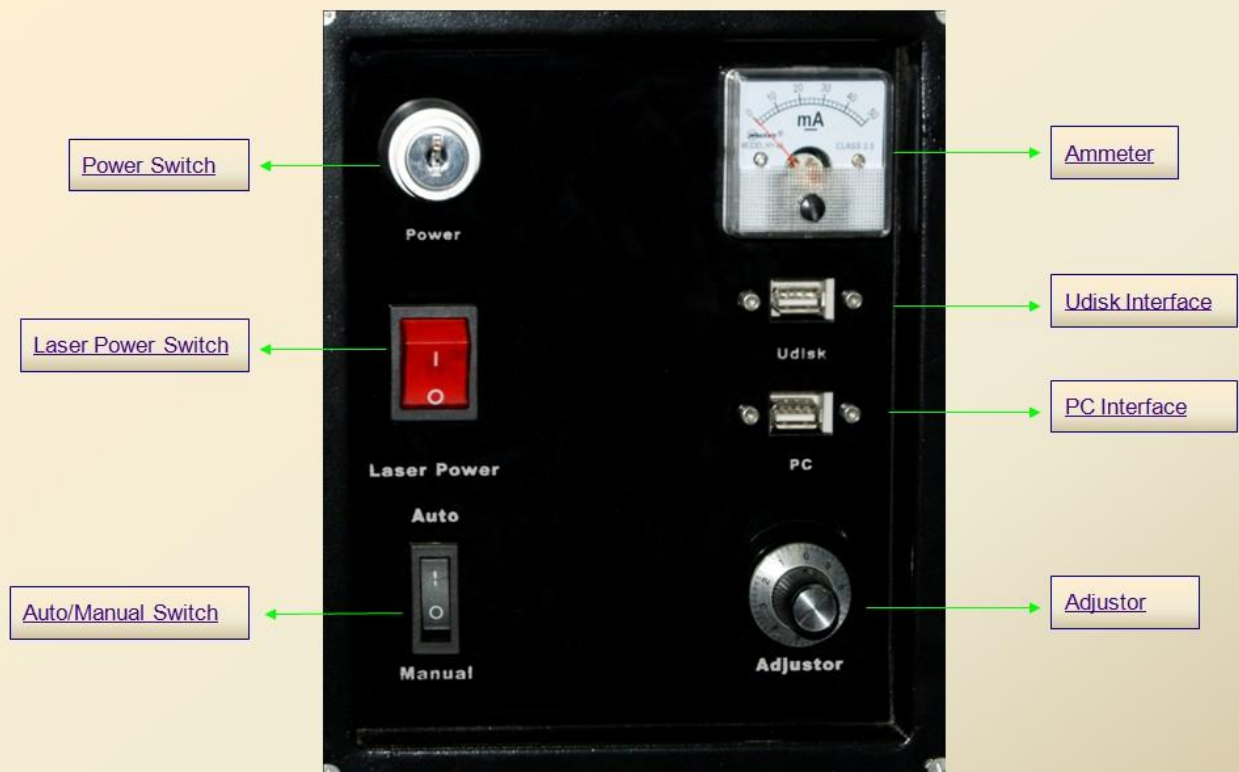
Introduction to the “Language+” in the Z/U key

Press the up and down keys to move the cursor to the option of “Language+” and press Enter, the following screen will be displayed.



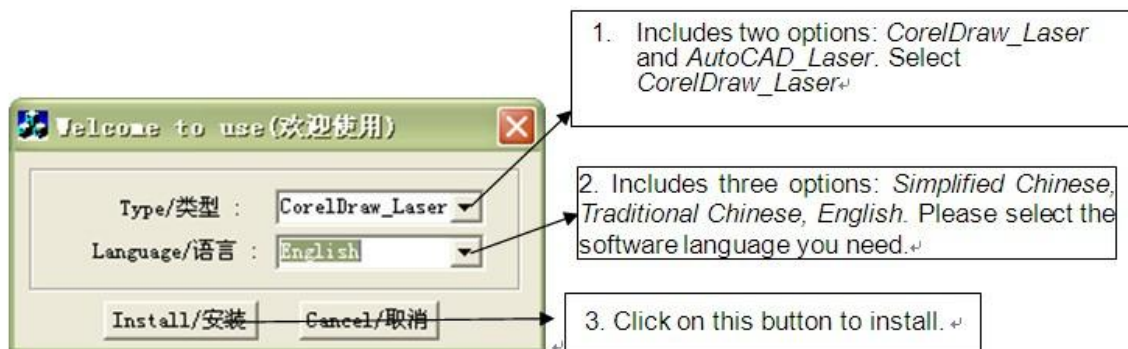
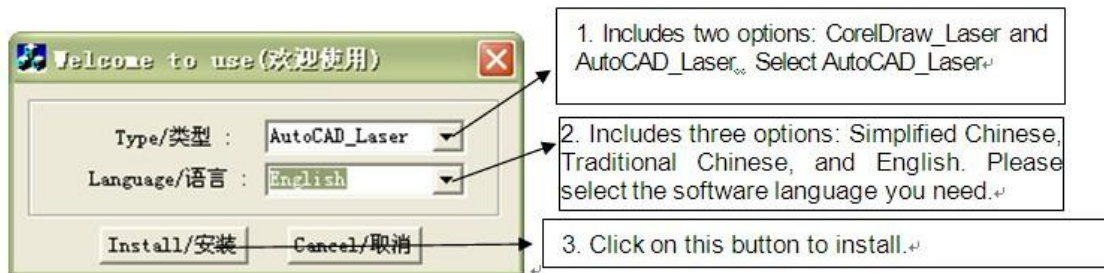
Use up and down keys to choose a language. Press Enter to use the language as the displayed language on the panel.

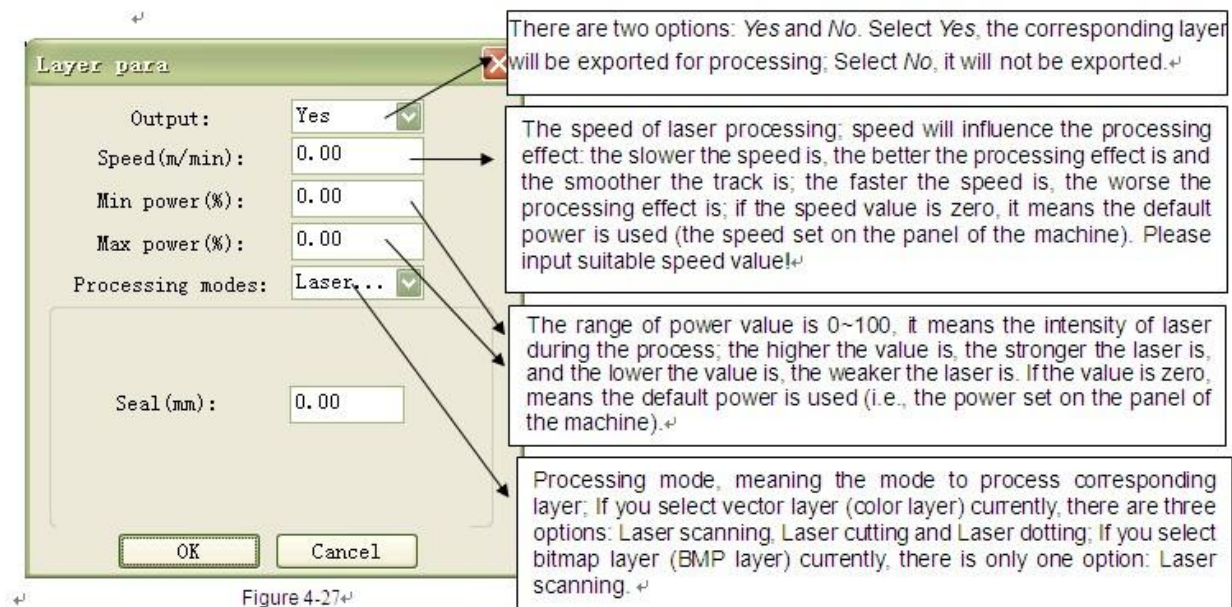
Introduction to the switches on the control panel (Click the following links for details.)



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.





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Model	LCM-BY-Z1390-100W / LCM-BY-Z1390-150W / LCM-BY-Z1390-80W
Maximum Cutting Area	51" x 35" (1300mm x 900mm)
Laser Power	CO2 glass tube 100W / 150W / 80W (Normal lifespan: about 8000 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	Lasercut 5.3 engraving software
Interface	USB, LPT
Voltage	AC110V - 240V, 50Hz

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Terms & Condition of Purchase: After we receive PO from customer with stamp, we give PI for customer.

Lead Time: After receiving customer's deposit, within 3 - 5 days.

Wooden Box: There is total one wooden box.

LCM-BY-Z1390-100W

Machine Dimension	70" x 63" x 43" (1765mm x 1610mm x 1100mm)
Machine Weight	750lb (340kg)
Package	Wooden box
Packing Size	77" x 60" x 46" (1960mm x 1520mm x 1180mm)
Gross Weight	924lb (420kg)




LCM-BY-Z1390-80W

Machine Dimension	70" x 56" x 43" (1765mm x 1410mm x 1100mm)
Machine Weight	750lb (340kg)
Package	Wooden box
Packing Size	77" x 60" x 46" (1960mm x 1520mm x 1180mm)
Gross Weight	924lb (420kg)



LCM-BY-Z1390-150W

Machine Dimension	70" x 71" x 43" (1765mm x 1810mm x 1100mm)
Machine Weight	750lb (340kg)
Package	Wooden box
Packing Size	77" x 73" x 46" (1960mm x 1860mm x 1180mm)
Gross Weight	992lb (450kg)

Packing List

Pictures	Items	Unit	Quantity
	Laser engraving machine	set	1
	Air pump	set	1
	Corrugate tube	unit	2

 <p>A white industrial chiller unit with a black handle on top. It has a control panel with a red power button and two indicator lights labeled 'ALARM' and 'NORMAL'. The text 'CW-3000 INDUSTRIAL CHILLER' is printed on the front.</p>	CW3000 water chiller	set	1
 <p>A white, circular, wall-mounted device with a blue flexible hose attached to its side. It appears to be a small-scale industrial or laboratory dryer.</p>	Dryer	unit	1
 <p>A black ruler with white markings and Chinese characters. A red laser beam is focused on a point on the ruler, demonstrating its use for precise measurements.</p>	Focus ruler	unit	1
 <p>A collection of tools and components in a clear plastic bag. Visible items include a black cable, a wooden handle, and various small metal parts. A handwritten label '91213902586' is on the bag.</p>	Kit	unit	1
 <p>A cylindrical metal component, likely a laser tube, mounted on a metal frame. It has various electrical connections and a protective cover.</p>	Laser tube	pc	1
 <p>Two circular optical components: a silver-colored mirror on the left and a yellow-tinted lens on the right.</p>	Mirror and lens	set	Each has one
 <p>A black power cable with a label that includes a barcode and technical specifications.</p>	Power line	piece	1
 <p>A CD-ROM in its jewel case, featuring a pink and white design. The text 'Software and User Manual in CD' is visible on the disc.</p>	Software and User Manual in CD	Copy	1

	Power socket	pc	1
	Trachea / Water	set	1

Package Pictures





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Comprehensive guarantee for one year except the wearing parts

24 - hour technical support by email or calling

User - friendly English manual for machine using and maintaining

Spare Parts Supports

We provide all replacement parts for all machines we sold, if you have a parts that break beyond warranty period, you could order it directly from us at reasonable prices. We would post the new parts with step by step instructions in PDF format on how to replace the parts to you.

If you want to buy any parts from us, please tell us the names or pictures of the parts.

Satisfaction Guarantee

For the items other than consumable products sold via www.Sign-in-China.com, we provide 12 months warranty after shipment. All the extra parts for equipment can be purchased from www.Sign-in-China.com. Further, for our VIP customers, the period of warranty shall be extended to 18 months.

We offer 14 days 100% satisfaction guarantee on all our machines. If you are not satisfied after receiving an item, Sign-in-China.com promises that, within 14 days after actual delivery of such an item, you are allowed to return the item to us and get complete refund, provided the returned item does not affect its subsequent re - selling and you also undertake the charge of returning delivery.

More information, please look at the document of [Training & Warranty & Service Policies](#).