

Model: LEM-Z-DQ-12590E

Name: 49" x 35" (1250mm x 900mm) Electric Up - down Lifting Laser Engraving & Cutting Machine, 60W

Overview	Specifications	Packing list	Warranty	Video & samples
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Electric up-down lift worktable & Support CorelDraw output directly.

High speed, high precision and multi-function, this economy CO2 laser engraver machine can do engraving and thick cutting on most nonmetal materials.

Application

Widely used in engraving and cutting on acrylic, wood board, model board and other nonmetal materials of advertising and decoration, aeromodelling, lamp fittings, craftwork industry, etc. This laser engraving and cutting machine is especially designed to meet the requirements of crafts, advertisement and decoration industries.

Materials that can be engraved

The laser engraving and cutting machine can engrave on most nonmetal materials, such as wood block, bamboo block, cardboard, marble, rubber, goods, organic glass, glass and crystal, leather clothing, etc.

Main Configuration

Max. Working Area: 49.2" x 35.4" (1250mm x 900mm)

Max. Cutting Speed: 11.8" (300mm) / s (Software control) (Speed adjustable)

Max. Engraving Speed: 1000mm (39") / s

Laser Power: Chinese CO2 glass laser tube 80W

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

Min. Shaping Character: Letter: 0.02" x 0.02" (0.5mm x 0.5mm)

Location Precision: < 0.01 mm

Power Supply: AC220V $\pm 10\%$, 50Hz / 60Hz

Product Highlights


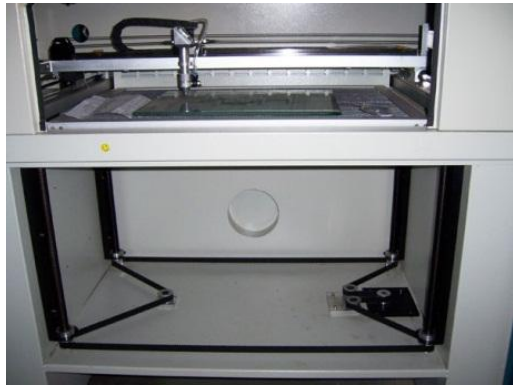

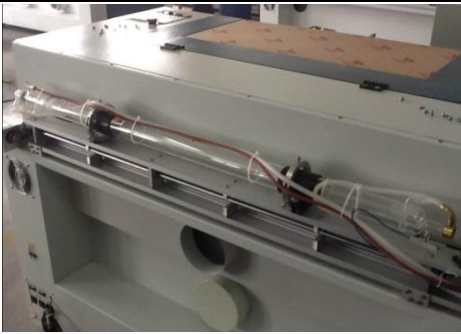
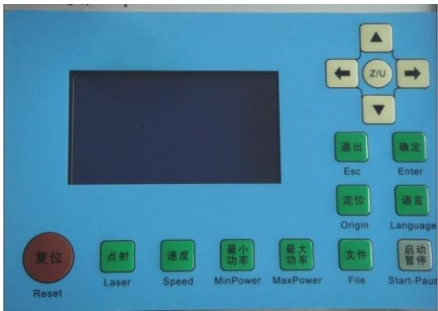

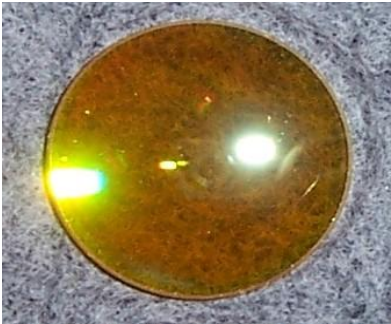
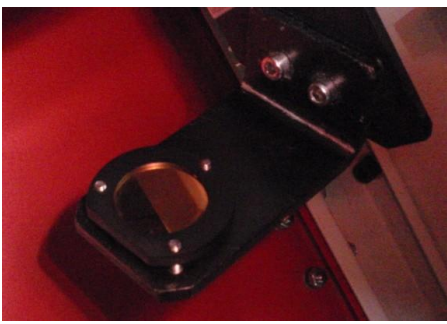
- ◆ This laser engraving and cutting machine integrate optics, machinery and electricity, and adopt special laser software, which can design image freely by computer.
- ◆ Adopting special structure and controlling system, kerf is small, cutting edge is smooth, which effectively meet high precision cutting requirement.
- ◆ Import optical mirrors, high-temperature endurable, anti-abrasive, small diameter of focalizing facula; ensure higher cutting ability compared with the machine of the same laser power.
- ◆ Touching LED control panel, LCD display, completely off-line work, effectively save computer source.
- ◆ With rotary fixture, it can engrave on a cylinder object.
- ◆ The laser engraver supports CorelDraw and other graphics manipulation programs. The original photos can be output directly, which can avoid the photos being out of shape and the data being incorrect.



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Detail Pictures

	
<p>Equipped with industry Water Chiller, it ensures the engraving effect better and makes maintenance easier.</p>	<p>Equipped with electric up - down lift working table, its maximum lifting height can be up to 350mm (13.8").</p>
	
<p>USB data interface, you can save multiple files at the same time.</p>	<p>Equipped with 80W Chinese CO2 glass laser tube with fine engraving and cutting effect.</p>
	
<p>Control panel</p>	<p>Laser head, with blowing device</p>
	
<p>Import optical mirrors, high - temperature endurable, anti - abrasive, small diameter of focalize facular; Ensure higher cutting ability compared with the machine of the same laser power.</p>	

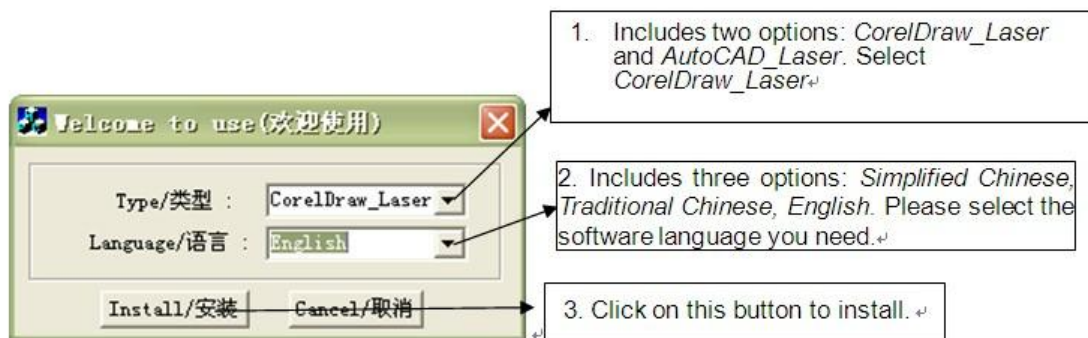
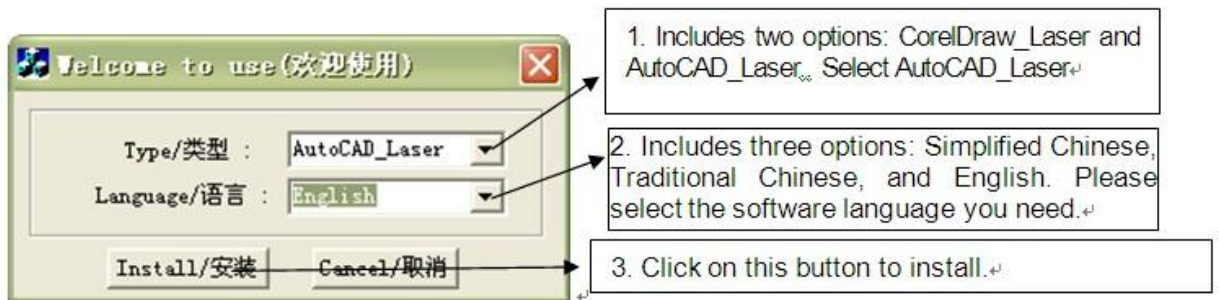


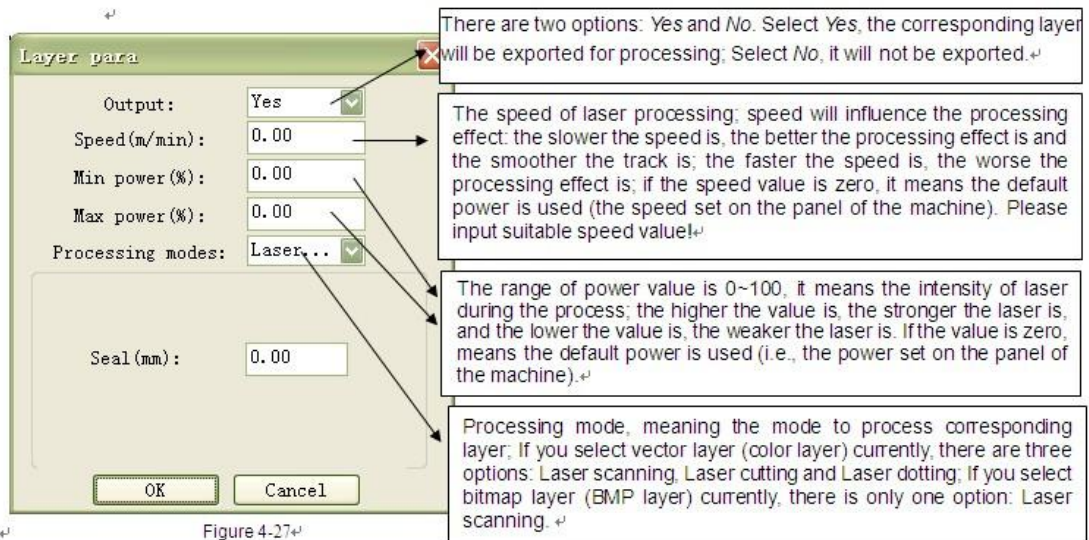
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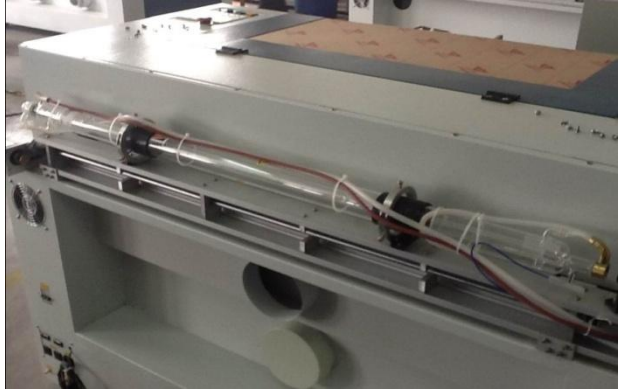
Instructions of Laser Engraving Cutting Software

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.





With the following optional parts, the laser engraver can have more functions (Extra payment is needed):

	
<p>Cylinder Rotary Fixture: Used for engraving on the surface of column of $\Phi 0 - 150\text{mm}$ (0" - 5.9"), commonly used rotation clamp. +\$286</p>	<p>Three - jaw Rotary Fixture: Used for engraving on the surface of $\Phi 0 - 180\text{mm}$ (0" - 7.1") column, with higher precision. +\$721</p>
	
<p>Red light Positioning System: Precise positioning. +\$198</p>	<p>Updated from 80W to 100W / 130W CO2 glass laser tube, +\$2,096/ \$3,709</p>

PS: With the rotary fixture, you can engrave on a cylinder object, such as cup, pencil vase and so on. It breaks through the limitation of the planar engraving and augments the range of the working.



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Spare Parts

Glass laser tube 80W (1.6m)

Reflective mirror (F30)

Focus lens (63.5mm)

PS: The spare parts are consumables; you'd better buy one set when you order the machine.

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Model	LEM-Z-DQ-12590E
Maximum Engraving Area	49.2" x 35.4" (1250mm x 900mm)
Laser Power	CO2 glass tube 80W (Normal working life about 1000 - 2000 hours)
Maximum Engraving Speed	1000mm (39") / s (Speed adjustable)
Maximum Cutting Speed	11.8" (300mm) / s (Software control) (Speed adjustable)
Maximum Cutting Thickness	1.2" (30mm)(Acrylic)
Resolution	≤1000dpi (1000dpi is the best)
Minimum Engraving Letter Size	0.5mm (0.02")
Positioning Precision	0.0009" (0.025mm)
Cooling Way	Water cooling and protection system
Support Image Format	BMP, PLT, AI, DXF
Engraving Software	Specialized engraving and cutting software
Power Support	AC220V ± 10%, 50Hz / 60Hz
Environment Temperature	5 - 35 degree
Interface	LPT, USB
Standard Equipment	Electric up - down lift working table, water chiller, exhaust fan, exhaust pipe, air pump.
Spare Parts	Reflective mirror, lens, and laser tube.
Optional Device	Red light positioning system, cylinder rotation fixture, three - jaw rotation fixture, Chinese CO2 glass laser tube 100W / 130W



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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 7 days.

Wooden Box: There is total one wooden box.

Machine Dimension	74.8" x 56.7" x 45.7" (1900mm x 1440mm x 1160mm)
Machine Weight	661.4Lb (300kg)
Package	Fumigation free package
Packing Size	78.7" x 58.3" x 53.1" (2000mm x 1480mm x 1350mm)
Gross Weight	992.1Lb (450kg)




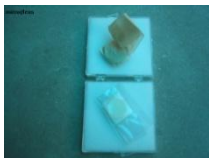




Packing List

No.	Pictures	Items	Quantity
1		Machine	1 set
2		Air pump	1 set
3		Exhaust pipe	2 pcs
4		Exhaust fan	1 set
5		Water chiller	1 set
6		Kits	1 set



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7		Hose pipe	1 pc
8		Focus module	1 pc
9		Hose clamps	1 pc
10		Mirror and lens	Each have one
11		Power line and USB cable	Each have one
12		Laser tube	1 pc
13		Software and manual	Each have one
14		Certificate warranty card	1 pc



electrical magnetic air pump



chiller



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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](#).



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