



## 24" x 16" (900mm x 600mm) Electric Up - down Lifting Laser Engraving & Cutting Machine, 60W

Item Code: LEM-Z-DQ-9060E



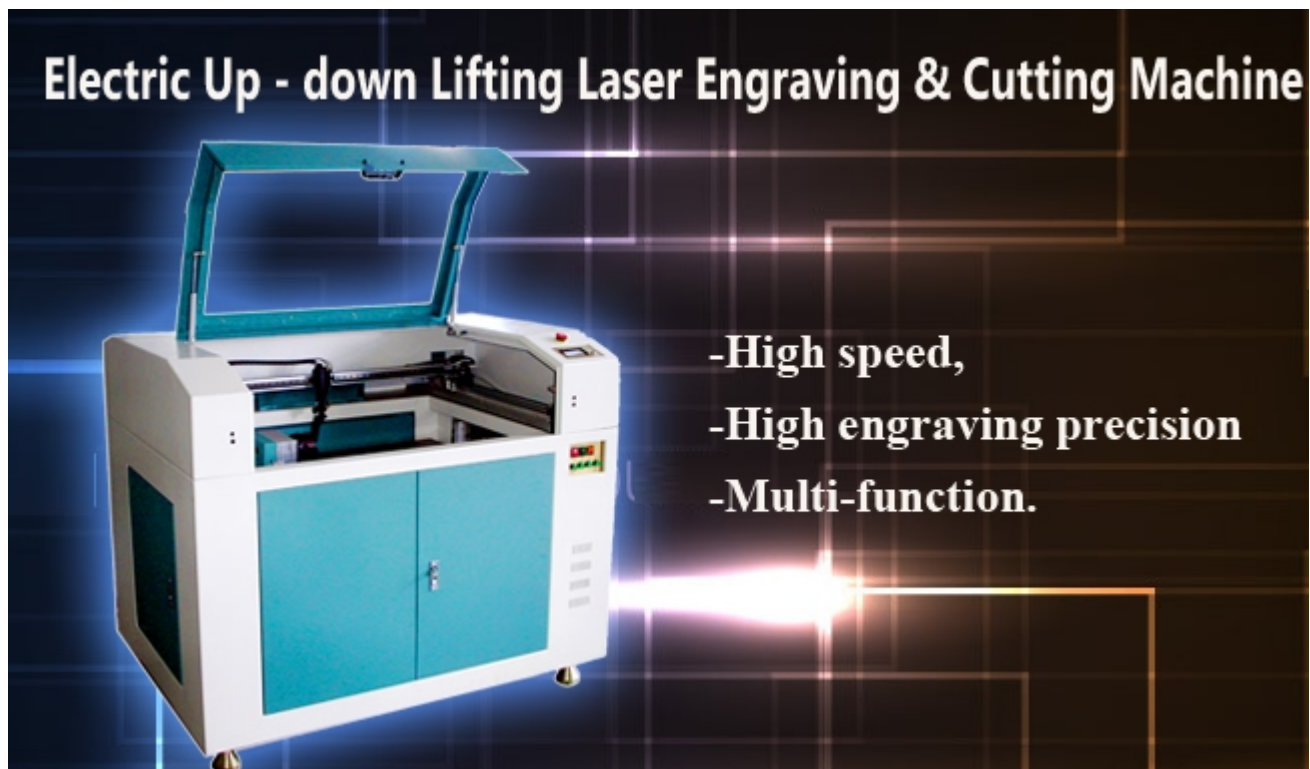
Mini Order: 1 set

Shipping Weight: ★★★★★

Average Rating: 1118.8lb (508.53kg)

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### Overview



## Electric Up - down Lifting Laser Engraving & Cutting Machine

- High speed,
- High engraving precision
- Multi-function.

Electric up-down lift worktable & Support CorelDraw output directly.

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

### Main Configuration

Max. Working Area: 35.4" x 23.6" (900mm x 600mm)  
Max. Cutting Speed: 11.8" (300mm) / s (Software control) (Speed adjustable)  
Max. Engraving Speed: 1000mm (39") / s  
Laser Power: Chinese CO2 glass laser tube 60W  
Max. Cutting Thickness (Acrylic): ?0.47" (12mm)  
Min. Shaping Character: Letter: 0.02" x 0.02" (0.5mm x 0.5mm)  
Location Precision: < 0.01mm  
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.

## Details



### Packing Sizes:

65" x 54" x 45"  
(1640mm x 1360mm x 1140mm)

### Net weight:

440Lb (200kg)

### Gross weight:

595Lb (270kg)



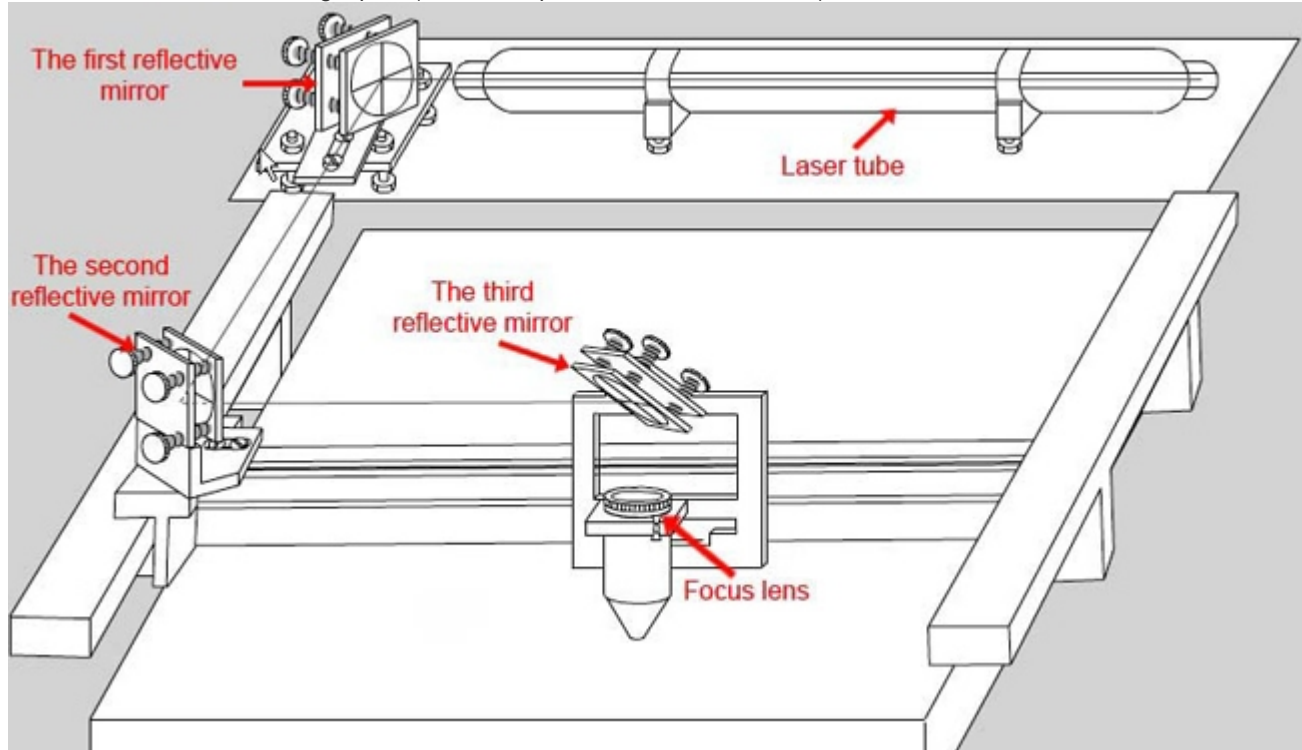
## Usage

1. **Software installation:** install the USB driver and Engraving Software.
2. **Hardware installation:** Connect the air pump, water chiller, exhaust fan, exhaust pipe, power cable and USB cable, etc, with the laser machine.

As the bellowing picture show:



3. Check the laser tube and light path (For details please refer to the Manual).



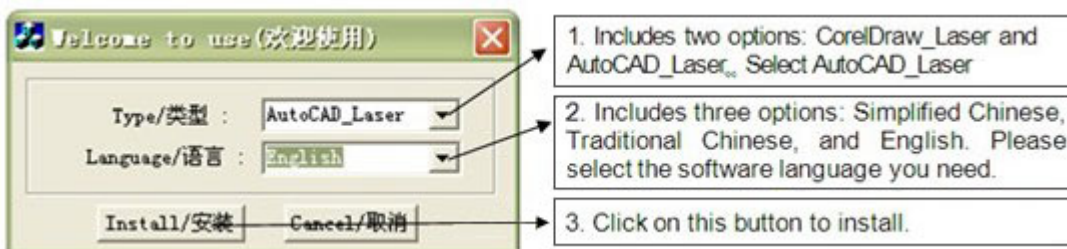
4. Open the Engraving Software, edit graphics, and use this laser cutter to process.



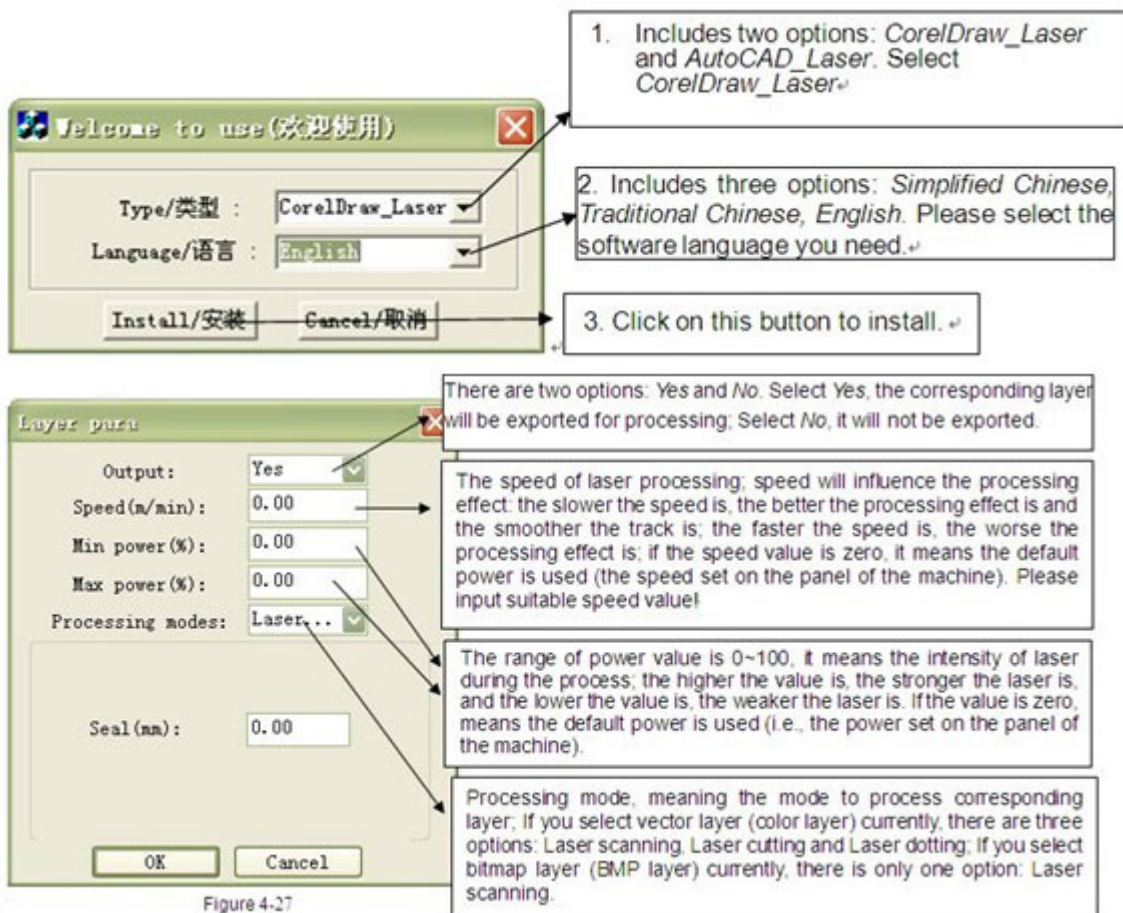
### Instructions of Laser Engraving Cutting Software

According to the different customer application needs and the habit of using to select the type of software

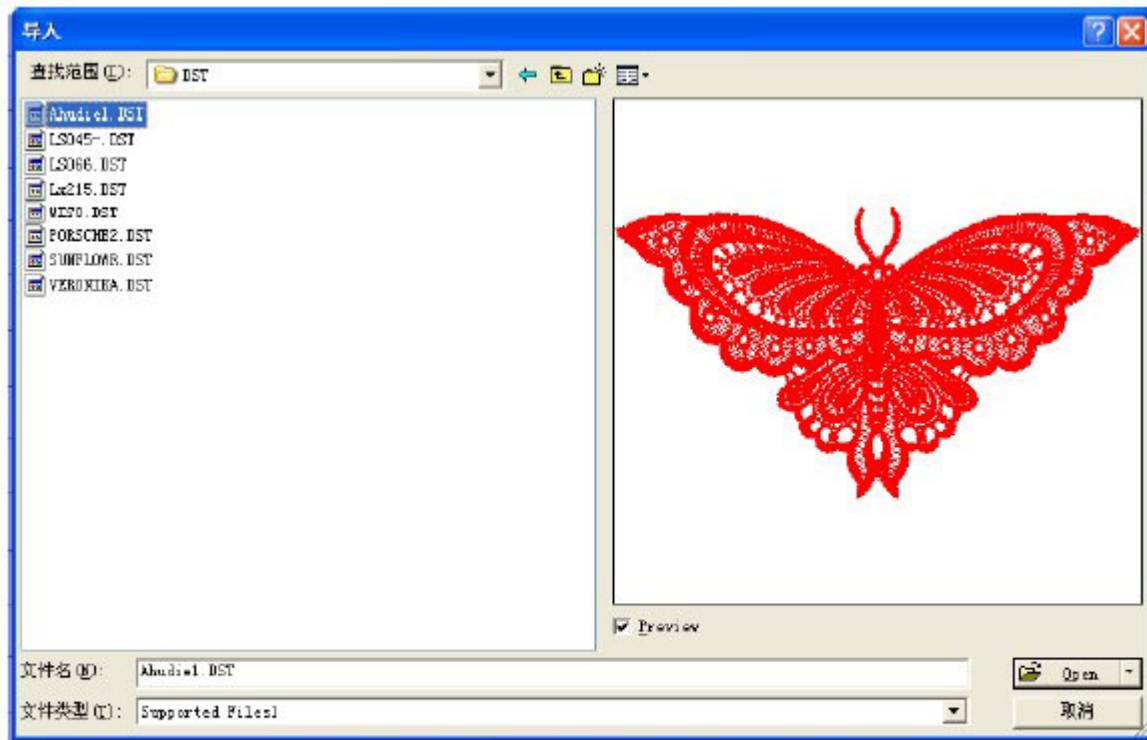
- a. Stand - alone software LaserWork.
- b. The software that plug-ins to CorelDraw. Support the version from Coreldraw11 to X5 (But some simplified versions of CorelDraw is not supported.).
- c. The software that plug-ins to AutoCad. Support the version from 2004 to 2010.
- d. The software that plug-ins to Cadian.







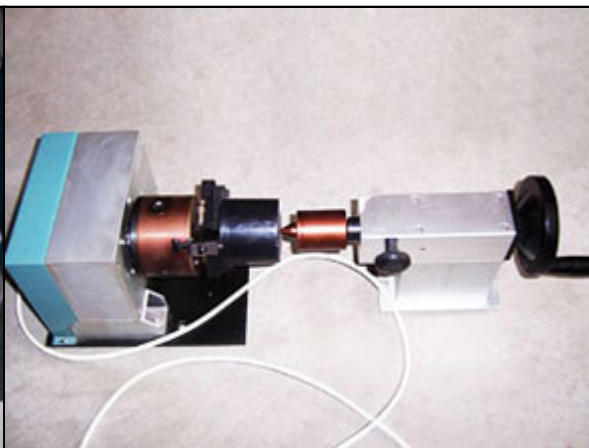
For most vector file, data automatically imported into the corresponding layer of RDCAM software according to the layer description. For some special documents such as DST/DSB, data will be imported into the current layer. The color of object that is the color of the object contour. You can click the color button on the Layer Bar to change the color of the object has been selected. The color of the pressed button is the color of current layer.



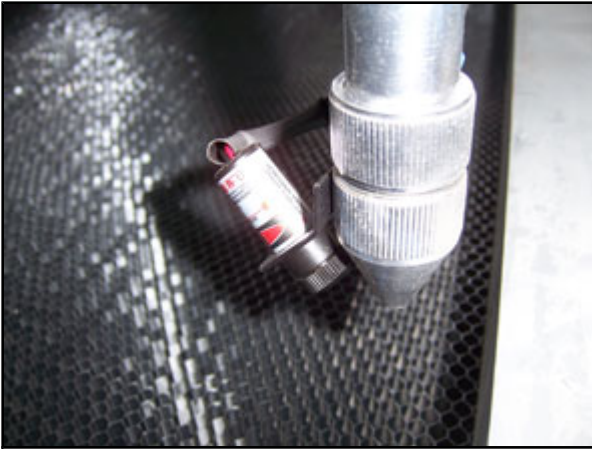
With the following optional parts, the laser engraver can have more functions (Extra payment is needed):



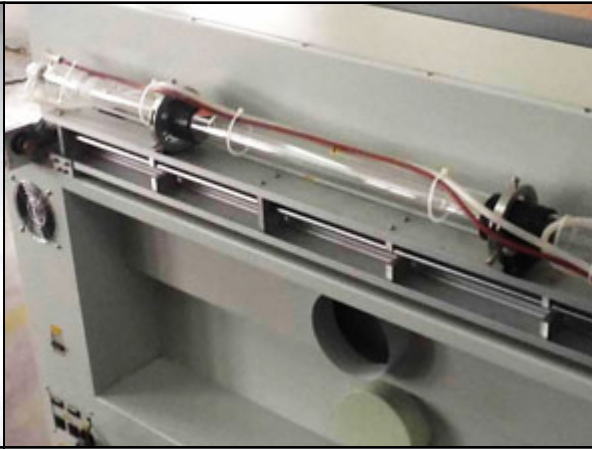
**Cylinder Rotary Fixture:** Used for engraving on the surface of column of  $\varnothing 0 - 150\text{mm}$  (0" - 5.9"), commonly used rotation clamp. +\$286



**Three - jaw Rotary Fixture:** Used for engraving on the surface of  $\varnothing 0 - 180\text{mm}$  (0" - 7.1") column, with higher precision. +\$721



**Red light Positioning System:** Precise positioning.  
+\$198



Updated from 60W to Chinese 80W / 100W CO2 glass laser tube, +\$529 / \$2,096

**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.

#### Spare Parts

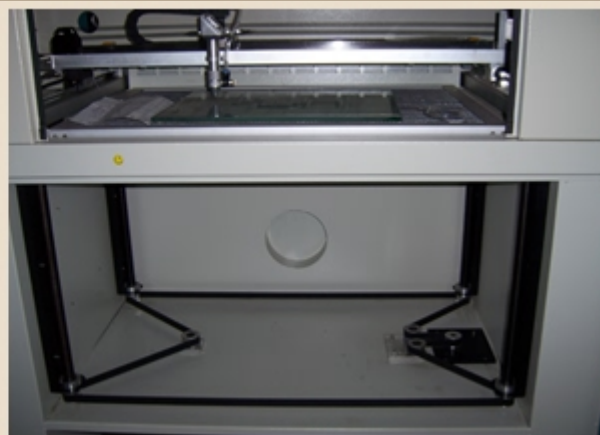
Glass laser tube 80W (1.2m)

Reflective mirror (F20)

Focus lens (F20)

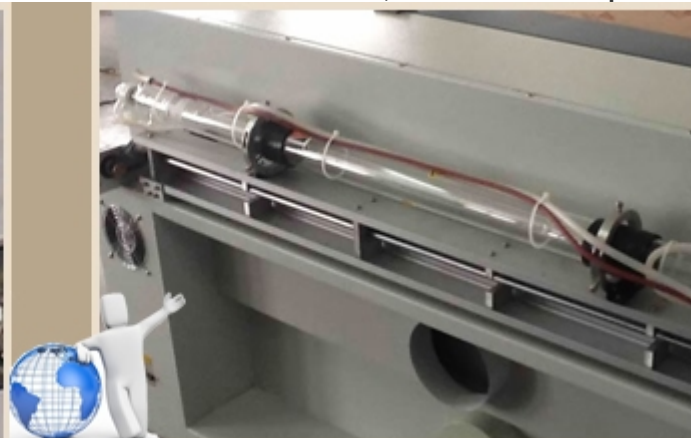
**PS:** The spare parts are consumables; you'd better buy one set when you order the machine.

## Advantages



Equipped with industry Water Chiller, it ensures the engraving effect better and makes maintenance easier.

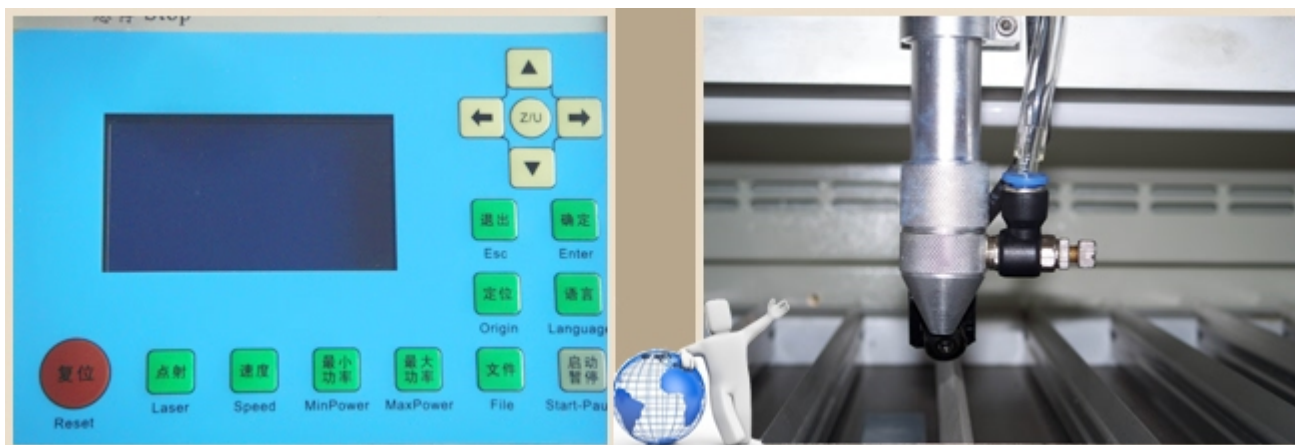
Equipped with electric up - down lift working table, its lifting height can be up to 350mm (13.8"). 1. Easy for focus lens; 2. It is suitable for processing the thickness material.





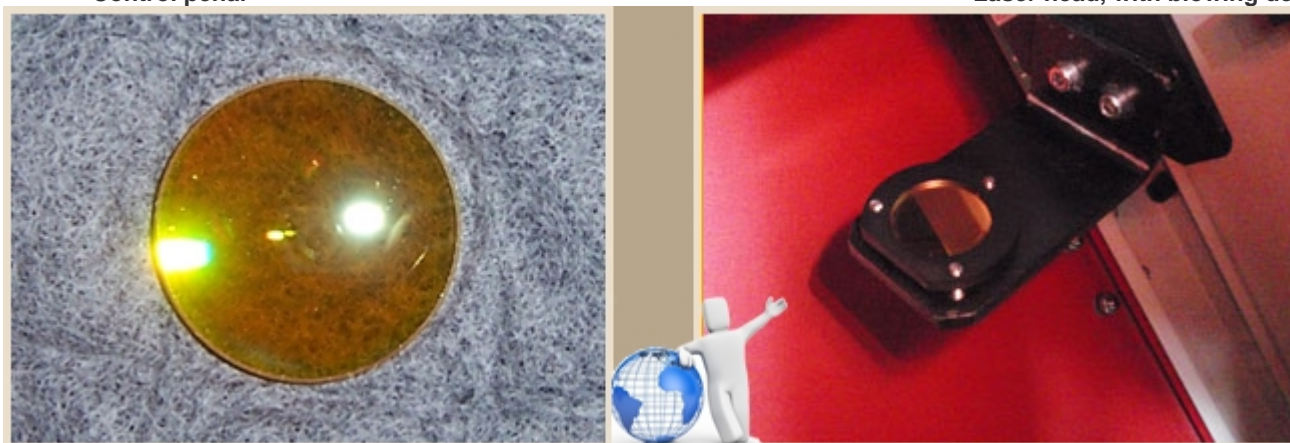
USB data interface, you can save multiple files at the same time.

Equipped with 50W/60W/80W Chinese CO2 glasslaser engraving and cutting effect.



Control panel

Laser head, with blowing device



Import optical mirrors, high - temperature durable, anti - abrasive, small diameter of focalize facular;

Ensure higher cutting ability compared with the machine of the same laser power.

## 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.







## Specifications

<b>Model</b>	<b>LEM-Z-DQ-9060E</b>
<b>Maximum Engraving Area</b>	35.4" x 23.6" (900mm x 600mm)
<b>Laser Power</b>	CO2 glass tube 60W (Normal working life about 1000 - 2000 hours)
<b>Maximum Engraving Speed</b>	1000mm (39")/s (Speed adjustable)
<b>Maximum Cutting Speed</b>	11.8" (300mm)/s (Software control) (Speed adjustable)
<b>Maximum Cutting Thickness</b>	0.47" (12mm)(Acrylic)
<b>Resolution</b>	?1000dpi (1000dpi is the best)
<b>Minimum Engraving Letter Size</b>	0.5mm (0.02")
<b>Positioning Precision</b>	0.0009" (0.025mm)
<b>Cooling Way</b>	Water cooling and protection system
<b>Support Image Format</b>	BMP, PLT, AI, DXF
<b>Engraving Software</b>	Specialized engraving and cutting software
<b>Power Support</b>	AC220V $\pm$ 10%, 50Hz / 60Hz
<b>Environment Temperature</b>	5 - 35 degree
<b>Interface</b>	LPT, USB
<b>Standard Equipment</b>	Electric up - down lift working table, water chiller, exhaust fan, exhaust pipe, air pump.
<b>Spare Parts</b>	Reflective mirror, lens, and laser tube.
<b>Optional Device</b>	Red light positioning system, cylinder rotation fixture, three - jaw rotation fixture, Chinese CO2 glass 80W / 100W

## Tags

[35" x 46" Laser Engraver and Cuttre Machine](#)

## QA

Q

What is the up and down platform displacement?

A	<p>Our machine comes with the Electric up-down lift worktable 350mm(13.78")</p> <p>Reply by <a href="#">sign-in-china</a></p>
Q	<p>Rotary device is optional or included? What is the max diameter?</p>
A	<p>The rotary device is optional device, the max diameter is 180mm, there are three different type optional devices, and you can find it in this machine page.</p> <p>Reply by <a href="#">sign-in-china</a></p>
Q	<p>What's the price of spare parts like laser tube, lenses, mirrors etc?</p>
A	<p>Please find these price in this machine page, if order these spare part together with the machine, we can give you more discount!</p> <p>Reply by <a href="#">sign-in-china</a></p>
Q	<p>What's the delivery time?</p>
A	<p>The delivery time is 7 working days after get your payment!</p> <p>Reply by <a href="#">sign-in-china</a></p>



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