

**PERFECT LASER**

# Laser Engraving Cutting Machine

Model: PEDK-13090





### **1. High Speed**

Import Linear Guide Rail& optical system Marks Engraving Speed up to 1-60000mm/min

### **2. High Precision**

Re-Position Precision is 0.0125mm

### **3. High Quality of Laser Beam**

Good Quality laser beam, long lifespan

### **4. Available Data Networking**

LCD Panel, Offline control , Computer

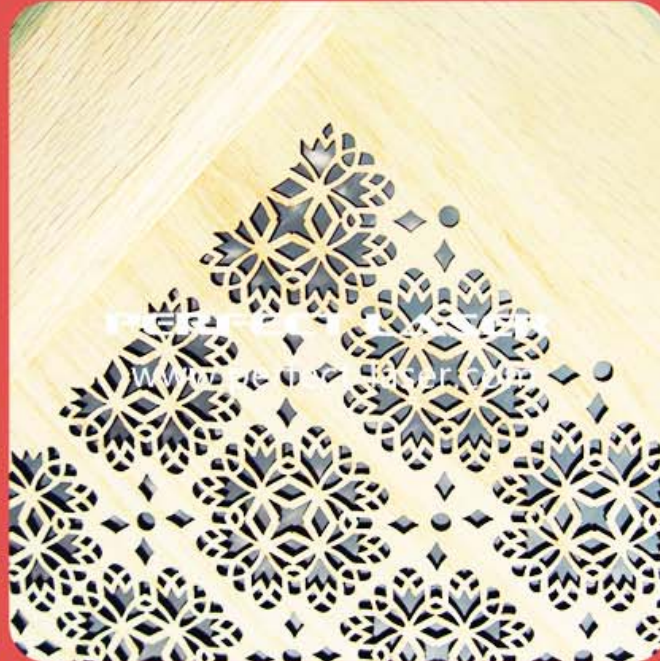
### **5. Integrated and Compact**

BMP, HPGL, JPEG, GIF, TIFF, PCX, TAG, CDR, DWG, DXF, DXT

### **6. Easy Operating**

Easy operation, VCD Training, Trouble Free







Observation window Design

Advanced LCD Screen control board+  
USB port+offline control



Red Light Pointer Design

Front and Back  
Running-Through Design



**1.**

### Advanced LCD Screen control board+ USB port+offline control

Can work with computer and connect to U disk, USB communication. 128M Memory can store files in the machine such as AutoCAD, CorelDraw etc.



**2.**

### Front and Back Running-Through Design

Suitable for super-length material process, such as a roll of fabric. 30-50mm height, can make materials from front into back side, easy to put material through.

Imported aluminum material Honeycomb or Strip work table.



**1.**

### Honeycomb Working Table For Your Option

Especially for fabric engraving which can absorb the fabric firmly .



**2.**

### Thicken Strip Working Table for your option

Specially used for cutting and for heavy and hard products such as acrylic, PVC board cutting.



**3.**

### Customized Double Working Table

Design for your different material engraving and cutting requirements.



Imported aluminum material Honeycomb or Strip work table.



**4.**

### **Ladder-Shape Drawer Design**

Easily Collect and Getting The Cutting Object

**5.**

### **Laser Beam Stop when Opening Machine Cover**

We design a special function to stop the laser beam come out when operator open the machine cover. So that ensure operator won't be hurt by laser beam, safe for operator. Other company don't have such design, so it will hurt operator sometime when using it.  
(special design to ensure operator's safety)

# PERFECT LASER



## *Professional Working Table For Your Option*

Imported aluminum material Honeycomb or Strip work table.

**6.**

### **Working Table With Scale Design**

Easy for operators to check the position of material and improve the accuracy of engraving cutting so as not to waste materials.

**7.**

### **Red Light Pointer Design**

Red light pointer can realize the exact position of laser for invisible laser.

**8.**

### **We Do Strict Testing for Each Laser Tube**

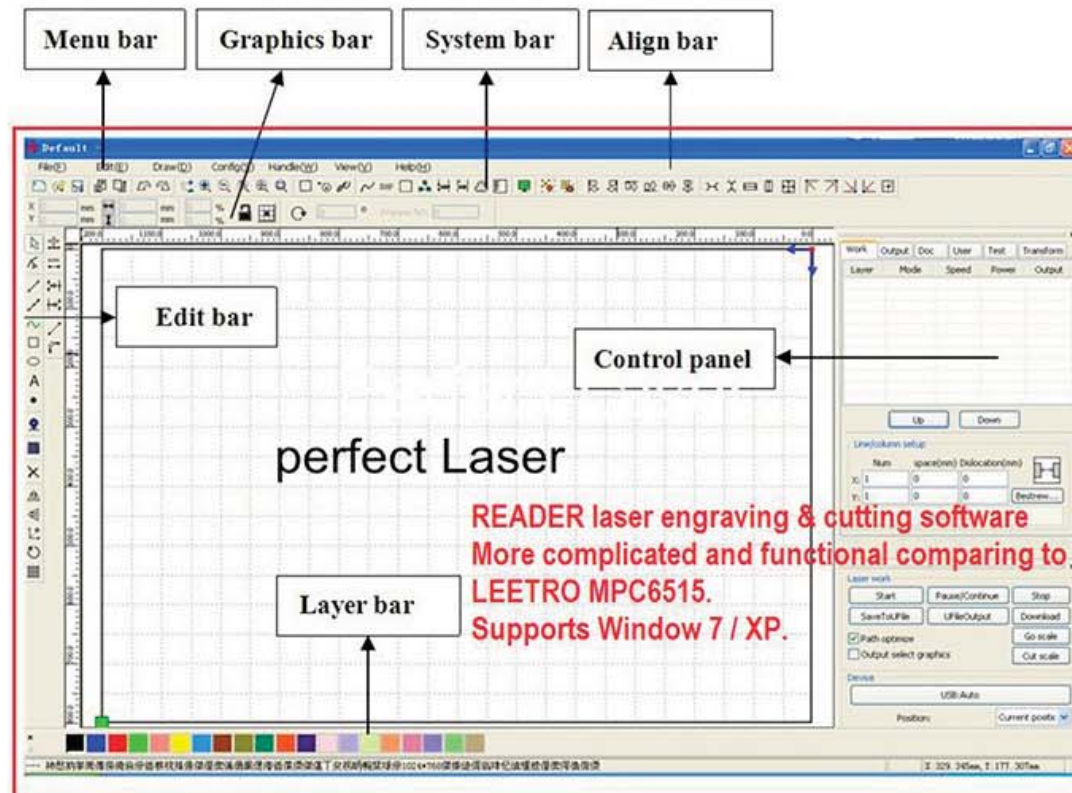
We will test every laser tube before using them, in order to make sure the performance of laser tube and it has nice laser facular.



## Professional Laser Engraving & Cutting Software

Particularly designed and written for engraving and cutting, with high compatibility, support any computer operating system.

Professional Reader cutting & engraving software with Powerful editing function, Friendly interface, Easy to installation and use which can support DXF, PLT, G-Code and many other graphs.(Powerful editing function, Friendly interface, Easy installation , support DXF, PLT, G-Code and many other graphs)





**1.**

### Taiwan Imported high precision Linear Guide Rail

High speed and accuracy with lower noise & long life span. Helps laser head move smoothly and laser beam reflect with high accuracy



**2.**

### Taiwan Made Ball Screw Rod

The motorized up and down table adopt Taiwan "Hiwin" brand ball screw rod and linear running guide rail which can improve the precision and accuracy of the machine.



**3.**

### Laser Power Supply

Can supply sufficient laser power to the laser tube. With 5 years long-life span and stable performance.





**4.**

## Water Chiller with Alarm Protection

CW-5000/CW5200 Water Chiller with temperature display, which can avoid over burning, to protect the water circulation from electricity-off.



**5.**

## Laser Tube in 10000hours lifetime

Lifetime: 10000 hours, Warranty Period: 10 months,  
Power: 60W / 80W / 100W / 130W / 150W / 170W



**6.**

## Mirror and Lens

USA Imported Focus Lens and reflect mirror,  
high efficiency and steady



**7.**

### Reflector mirror holder

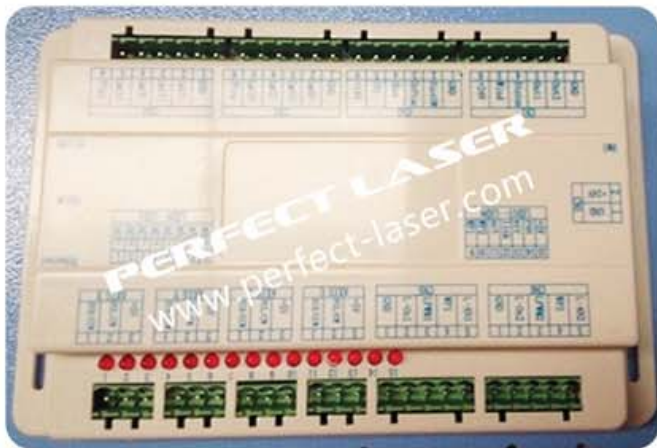
Focal Length adjusting Parts easy to find the center of the lens and find the right focal distance.



**8.**

### High Speed Stepper Subdivision Driving Control System

Numerical timing, simulation quantum control laser power, little error, repetition high precision, free of maintenance.  
Ensures the possibility of realizing extreme precise positioning,  
Makes moving positioning mechanism operate smoothly,

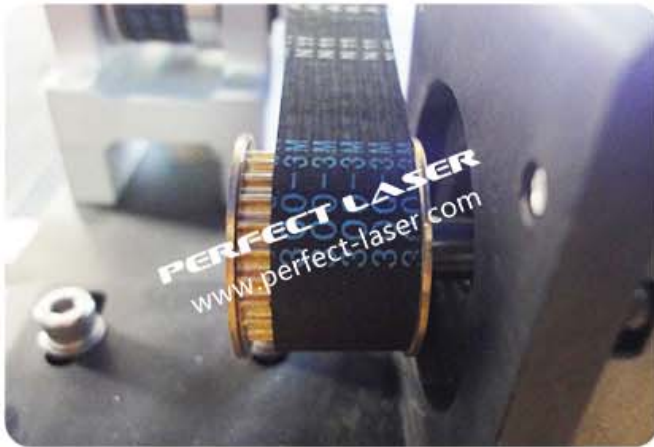


**9.**

### Laser Control Card

Adopt Chinese Top Brand "Reader" Laser Control Card





10.

### Shanghai FULONG Brand Transforming Belt

Contains metal material in the rubber belt, so it is fasten and not easy to loose after even 5 years using.



**Machine Instruction**



**Machine warning signs**



1.

### UP-Down system

Professionally Design for lift and lower the worktable for thick 20mm material and round object including auto focus system.

2.

### Rotary Fixture

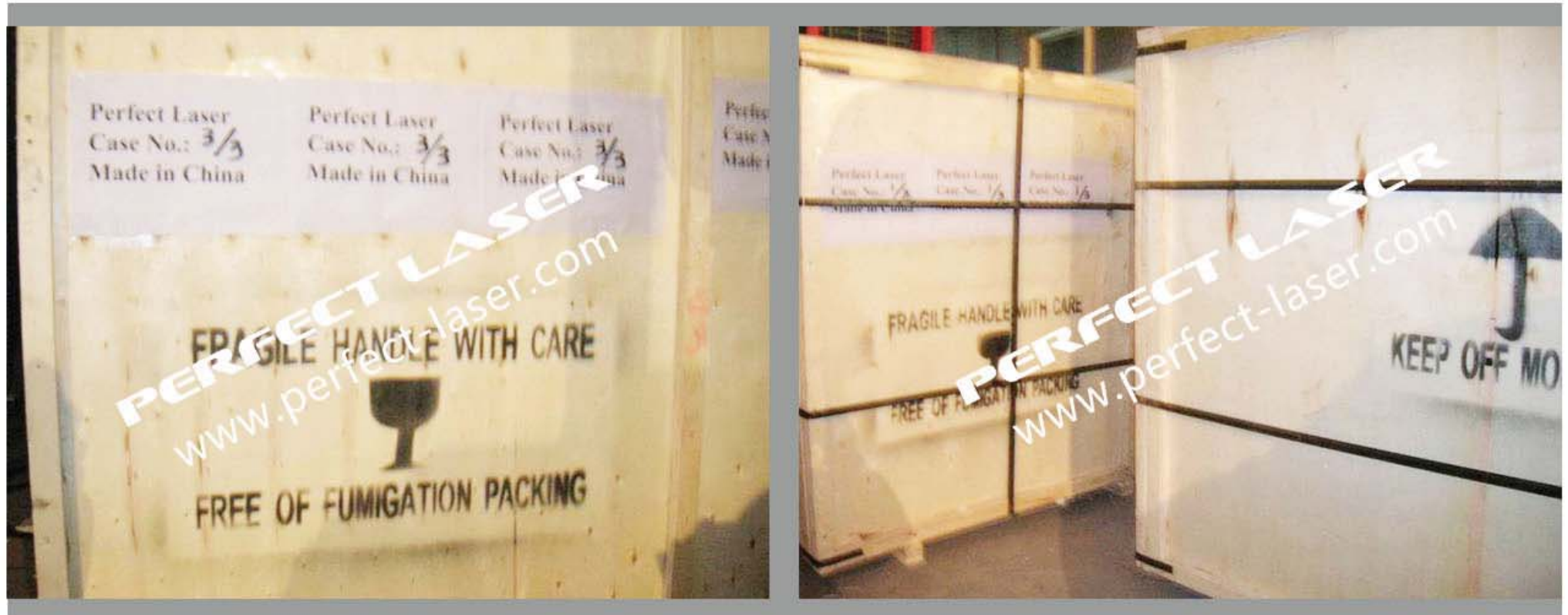
can engrave in 360 degree, usually applied in Advertisement and Craft work. for column or cone work piece surface. (Need work together with Motorized Up and Down System) Rotary Fixture is for the circle engraving of cylindrical or column work pieces. Need working together with Motorized Up and Down System.





Model	PEDK-9060	PEDK-13090	PEDK-160100
<b>Working Area</b>	900×600mm	1300×900mm	1600×1000mm
<b>Laser Power</b>	60W / 80W / 100W / 120W / 150W		
<b>Laser Type</b>	Hermetic and Detached Co2 Laser Tube		
<b>Engraving Speed</b>	1-60000mm/min		
<b>Cutting Speed</b>	PERFECT LASER www.perfect-laser.com	1-10000mm/min	
<b>Repeat Location Accuracy</b>	± 0.0125mm		
<b>Laser Power Controlling</b>	1-100% Manual Adjustment and Software Controlling		
<b>Voltage</b>	220V(±10%) 50Hz		
<b>Cooling Mode</b>	Water Cooling and Protect System		
<b>Cutting Platform</b>	Professional Thickening Strip or Honeycomb Work Table		
<b>Controlling Mode</b>	CNC Professional Control System		
<b>Support Graphics Formats</b>	BMP, HPGL, JPEG, GIF, TIFF, PCX, TAG, CDR, DWG, DXF Compatible HPG Order To Support DXF, WMF, BMP, DXT		
<b>Power Controlling Mode</b>	Laser Energy Combining Movement Control System		
<b>Control Software</b>	Professional ReaderLaser Engraving & Cutting Software		

Model	L*W*H	Volume	Weight
PEDK-13090	180*130*110CM	3.2CBM	380Kgs





- \* 12 Months Guarantee
- \* 7-10 Days Lead Time
- \* VCD Training , Easy Installation
- \* 12 Hours Response
- \* TT/Western Union / Paypal / Ali Trade Assurance Payment
- \* Sea Shipping

## FAQ

Q: What's the package?

A: We have 3 layers package. For the outside, we adopt wood craft case. In the middle, the machine is covered by foam, to protect the machine from shaking. For the inside layer, the machine is covered by thickening plastic bag for waterproof.

Q: Will the package damaged during transportation?

A: Our package is considerate all the damage factors and make it to be safe, and our shipping agent have full experienced in safe transportation. We have exported to 180 countries worldwide. So please don't worry, you will receive the parcel in good condition.

Q: How to install and run the machine?

A: Our technician have installed the machine before shipping. For some small parts installation, we will send detail training video, user's manual along with the machine. 95% customers can learn by themselves.

Q: How can I do if the machine goes wrong?

A: If confronted with such problems, please contact us asap and do not try fix the machine by yourself or someone else. We will response within 24 hours as quick as we can to solve it for you. alxe?