

PERFECT LASER

Advertising Letter Laser Welding Machine

(Model: PE-W300, PE-W450, PE-W600)



1.

**Most Advanced
Technology**

2.

**Smooth Welding
Surface**

3.

**Powerful
Welding Ability**

4.

Welding Expert

1. Laser head can electrically move back and forth, up and down, left and right and rotate 360 degree.

2. Heat affected zone is small. The work piece surface will not deformed.

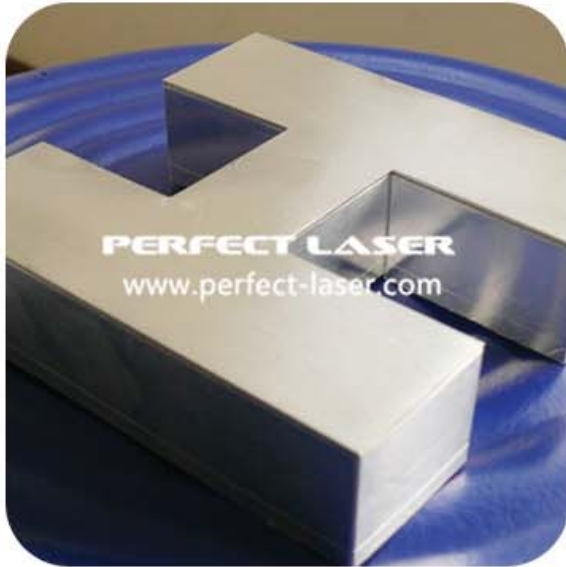
3. For letters in the advertising industry, there is specially lengthened optical path and the telescopic scope can be added to 800mm.

4. There is no raised spot after welding. No requirement of polishing process. Saving time and labor. The appearance is beautiful and tight.

5. There is CCD monitor. The welding effect is more clear and intuitive.

6. The specially designed long focal distance lens $F=200\text{mm}$ to meet the demand for ultra-high font welding.

0.1-2mm stainless steel, galvanized plate and bronzing plate; 2mm copper and aluminum.



Application Field

Advertising letter laser welding machine is used for making a variety of stainless steel letter, LED luminous characters, AD Logos, signs and other fast welding.



Water chiller



CCD sensor



Operation panel



LED illumination

optional 5m Length Fiber Laser Cable and Handy Laser Pen

More Freely, More Flexible
Operators can hold the laser pen and welding the
work-pieces whatever they want.

1





CCD Camera

Adopts China famous brand CCD camera, LCD screen and red pointer

CCD camera can photo-shot the welding details and transmit the signal to LCD screen.

The welding effect is more clear and intuitive.

2



LCD screen

It Can reflects the welding details intuitively which can not be discovered by human eyes
Help operators to test and adjust the parameters correspondingly.

3



Easy Operation

4

Operators can sit beside the table to weld work-pieces, which can make operators feel relaxed at working.





Convenient Observing

Operators watch the details by CCD camera and LCD screen.
Operators can watch all the welding process easily.

5



Water Chiller

1HP water chiller can cool the machine and make the machine work in good condition. Operators can adjust the temperature parameters on the chiller panel.



6

Laser Head Can Rotate 360 Degree Flexibly.

7



Machine LED Controller

Can adjust the electric, voltage and pulse on the power supply screen

8



Exhaust Fan

11

Exhaust the heat out of machine
Ensure long-term using



Foot Switch

12

Can control the laser output
just by press by foot



Technical Data

Advertising Letter Laser Welding Machine



Model	PE-W300	PE-W450	PE-W600
Max laser power	300W	450W	600W
Welding Depth for Carbon Steel / Stainless Steel / Galvanized Steel / Golden-Plate Steel	0.5-2mm	2mm	2mm
Welding Depth for Brass, Aluminum	0.1-1mm	2mm	3mm
Single power energy	90J	90J	120J
Laser Lamp	Single lamp	Double Lamp	Double Lamp
Electrical source	220V/ 1 phase / 50Hz/40A	380V/ 3 phase / 60Hz/40A	380V/ 3 phase / 60Hz/40A
Laser wave-length	1064nm		
Pulse width	0.3-20ms		
Welding frequency	PERFECT LASER www.perfect-laser.com		
Adjustable Facula Size	0.2-2mm		
Power consumed	≤9KW		
Laser Cavity	UK imported "Morgen" brand		
Standard worktable	800*1000mm		
Positioning	CCD Screen + Red Dot Pointer		
2-linertary	200mm		
Mobile level	200mm		



Item	Specification	One Year Using Quantity	Image
USA Imported Xenon Lamp	<ul style="list-style-type: none">* 8 million times' lighting* imported material* 12 months lifetime	2-6 pieces (PE-W450 4-12 pieces)	
Imported Protection Lens	<ul style="list-style-type: none">* imported material* 6-12 months lifetime	2-4 pieces	



Model	L*W*H	Weight
PE-W300WY	1500*830*1240mm 960*760*1150mm	280Kg
PE-W400WY	1600*800*1240mm 960*760*1150mm	430Kg



* 12 Months Guarantee

* 7-10 Days Lead Time

* VCD Training , Easy Installation

* 12 Hours Response

* TT/Western Union / Paypal / Ali Trade Assuranc Payment

* Sea Shipping

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?