

# Double Welding Path Channel Letter Laser Welding Machine

(Model: PE-W300 II ,PE-W500 II )



*Most  
Powerful  
Technology*

*Double Fiber  
Path, double  
improve the  
working  
efficiency*

*Most  
Efficient  
Processing*

*Non  
Destructive  
Welding*





World Brand



CE Honors



Technical Supporting



24 Hour Online Service

- 1** 20 years experience in producing Laser and CNC field
- 2** Customer-orientated
- 3** Wish to provide benefit to agents and customers
- 4** Free consulting, life-long service
- 5** Engineer Overseas Installation available
- 6** 10000+ Customers Choice
- 7** Perfect Laser will be your best Partner





1. Double laser welding path with 5m Length Fiber Laser Cable, which brings large convenience for your job.
2. Laser head can electrically move back and forth, up and down, left and right and rotate 360 degree.
3. Heat affected zone is small. The work piece surface will not deformed.
4. For letters in the advertising industry, there is specially lengthened optical path and the telescopic scope can be added to 800mm.
5. There is no raised spot after welding. No requirement of polishing process. Saving time and labor. The appearance is beautiful and tight.
6. There is CCD monitor. The welding effect is more clear and intuitive.
7. The specially designed long focal distance lens  $F=200\text{mm}$  to meet the demand for ultra-high font welding.

	<b>Single Light Path</b>	<b>Double Light Path</b>
<b>Light Outlet</b>	One	Two
<b>Converter Boxes</b>	None	The converter boxes, hard and soft laser beam
<b>Welding Characters</b>	Only small characters	Only small characters
<b>Handheld Optical Fiber Welding Head</b>	None	None
<b>Ease of Welding</b>	Take more time to weld into details	Welding into details with high efficiency



- ◆ 1. Some manufacturers is not very big, many welding word for double light path welding machine technology is not mature.
- ◆ 2. Single Light Path Laser Welder on the cost price is low. For the welding details, it needs extra processing. If using double laser beam welding machine, it can improve working efficiency and does not need extra treatment.
- ◆ 3. Handheld optical fiber welding head standard length is 5m, which is made of valuable fiber cable and can bring large convenience to operators.
- ◆ 4. Perfect Laser has more than 20 years specializing in optical fiber laser welding machine, welding machine for double light path technology is very mature, able to provide the most advanced and the best quality products to customers, won the praise of industry users at home and abroad, not only occupies a leading position in domestic sales, but also the wind mi more than 180 countries and regions in the world.
- ◆ 5. Perfect Laser brings together relevant professional top talent and technology, has a high quality, the internationalization of talent team.
- ◆ 6. "Excellent quality, service" around the world. Implement the strategy of global sales, international sourcing strategy, international technology platform strategy, build a solid development platform for the company.

- ◆ 7. Perfect Laser adheres to the customer as the center, providing customers with complete installation, commissioning, training, maintenance and other pre-sale and after-sale service.
- ◆ 8. Compared to metal work table, marble work table can not rust. It can not be welded together with the objects, while metal table can be easily welded with the metal material. Except for that, Marble work table looks exquisite and beautiful.





7P Water Chiller



LCD Touch Screen



CCD Camera



Marble Work Table



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.





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





### **1** Standard 5m fiber laser cable and handy pen

More freely, more flexible  
Operators can hold the laser pen and weld work pieces what they want.



### **2** LCD Colorful Screen

Pulse width, frequency and speed can be adjusted on the screen and no need PC. You can save 10 sets of parameters in need.



### 3 Exquisite Marble Work Table

Compared to metal work table, marble work table can not rust. It can not be welded together with the objects, while metal table can be easily welded with the metal material. Except for that, Marble work table looks exquisite and beautiful.



### 4 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.



## 5 LCD screen

Reduces the bright board cut. It can reflect the welding details intuitively which can not be discovered by human eyes. Help operators to test and adjust the parameters correspondingly.



## 6 Red pointer

It is easy to find the welding point fast, and position faster.



### **7** 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. The water chiller comes with air-conditioner system.



### **8** Laser Head

The laser head can rotate 360 degrees, which is more convenient for positioning and welding of special shaped objects.



## **9 Electrical Controlling System**

Controlling board and cable connection are integrated to avoid confusion.



**Advertising Letter Laser Welding Machine**

Model	PE-W300 II	PE-W500 II
Max laser power	300W	500W
Single power energy	100J	120J
Welding Depth for Carbon Steel/ Stainless Steel / Galvanized Steel / Golden-Plate Steel	0.1-1mm	0.1-2mm
Laser Lamp	Single lamp	Double lamp
Electrical source	220V/1 phase / 50Hz/40A	380V / 3 phase/ 50 hz
Pulse width	0.3-20ms	
Welding frequency	0.5-40HZ	
Adjustable facular size	0.2-2mm	



Power consumed	≤9KW
Laser Cavity	UK imported “Morgen” Brand
Standard worktable	800*1000mm
Positioning	CCD Screen + Red Dot Pointer
Laser wave-length	1064nm Double Welding Path

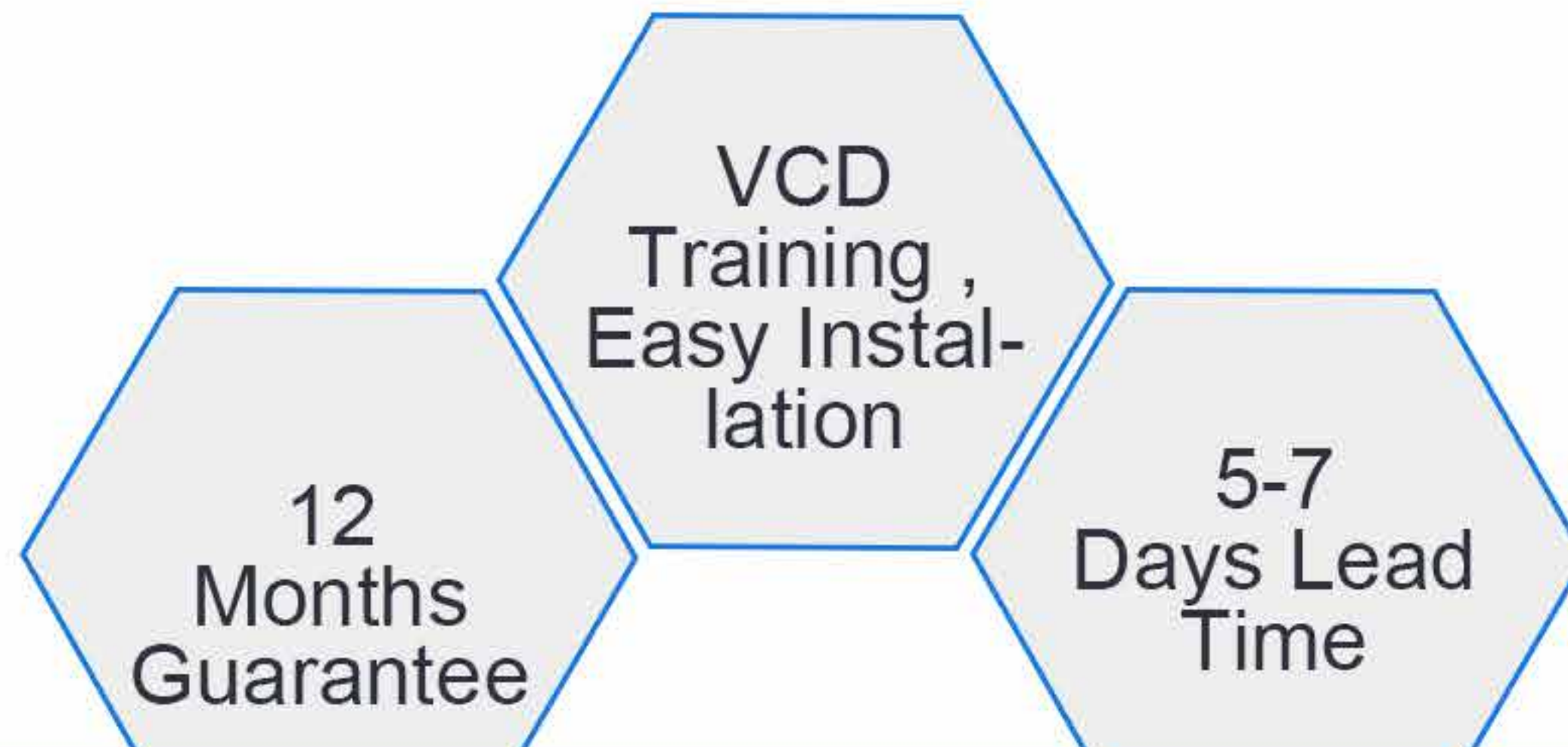


Item	Specification	One Year Using Quantity	Image
USA Imported Xenon Lamp	<ul style="list-style-type: none"> <li>* 8 million times' lighting</li> <li>* imported material</li> <li>* 12 months lifetime</li> </ul>	4-12 pieces	
Imported Protection Lens	<ul style="list-style-type: none"> <li>* imported material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

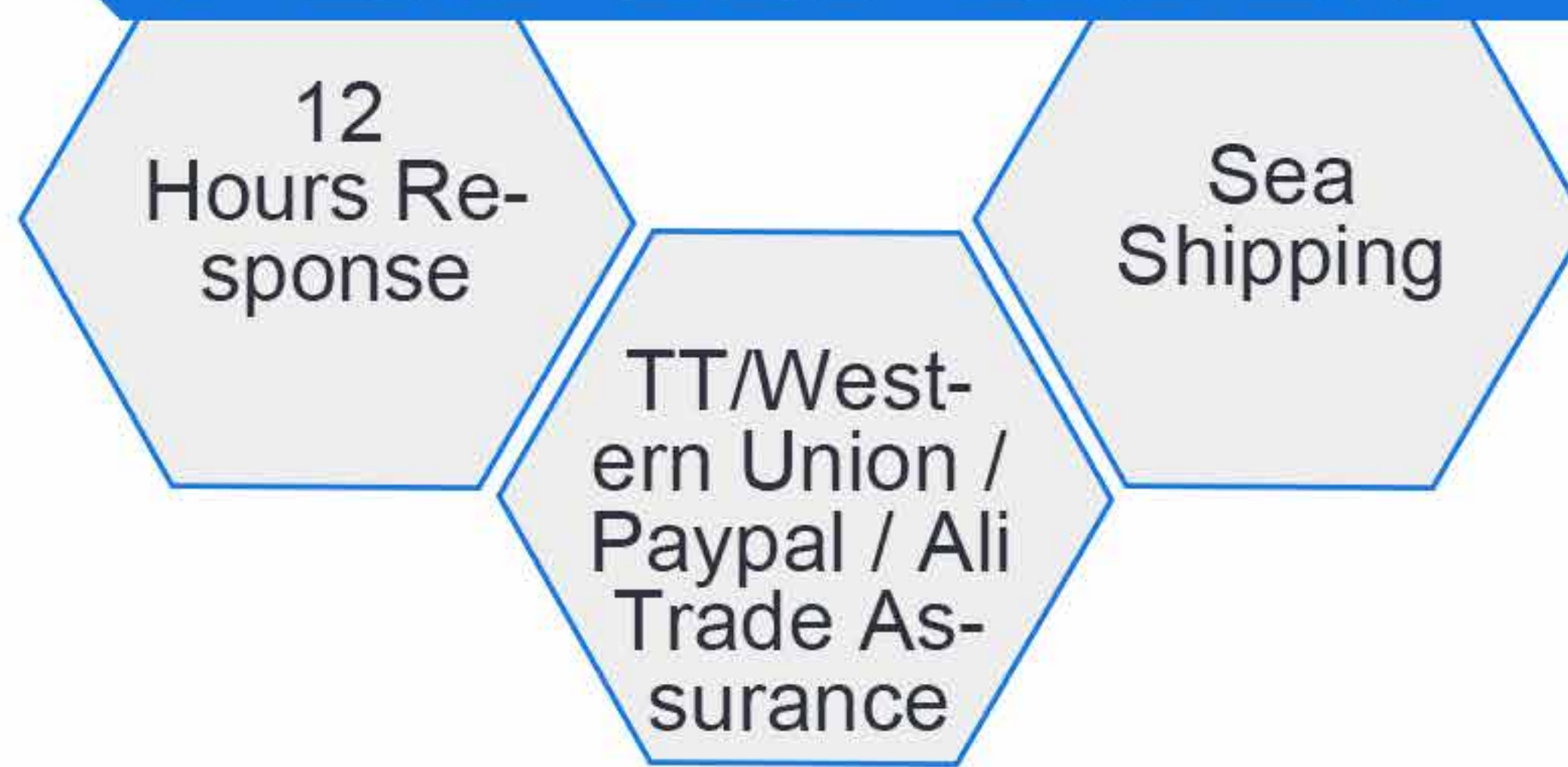








**PERFECT LASER**





**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.