

PERFECT LASER

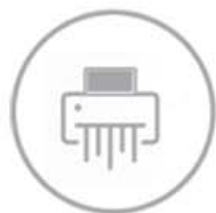
Jewelry Gold Laser Spot Welding Machine

Model: PE-W100 / PE-W150 / PE-W200

PE-W100 / W150



PE-W200



Very Small
Workpiece
Welding



10+ Years Life
Time



Stable Ceramic
Laser Cavity



No Maintenance
Required



World Brand



CE FDA Honors



Technical Supporting



24 Hour Online Service

Customer-orientated

Wish to provide benefit to agents and customers

Free Pre-Sales Consulting, Free Sample Service

Life-long service

Engineer Overseas Installation available

12 hours Quick Feedback & After-Sales Service

10000+ Customers Choice

Perfect Laser will be your best Partner



The laser spot welding machine uses pulse welding that has the advantage of spot welding and seam welding for many small metal parts, especially for the jewelry industry.

No special blocks are required during work. The parts to be processed can be held by hand and conveniently welded under a microscope.

This model is widely used for welding precision components in the fields of jewelry, batteries, automobiles, and aviation. It can also be used for small-scale cutting and drilling of thin metal parts.



welding of precision components in jewelry, batteries, sporting goods, automobiles, aviation and other industries.

For example: jewelry, luxury goods, gold jade, rings, necklaces, bracelets, earrings earrings, ear hooks, ear clips, pendant pendants, glasses, batteries, hardware, electronics, communications, precision metal, watches, Golf heads, medical equipment, titanium dentures, automobiles, machinery.





- ▶ PE-W100 / W150 is very compact, can be put in desk, water chiller is integrated, plug and play. PE-W200 has an atmospheric appearance and high power, which can be used for spot welding of most metal materials.
- ▶ No maintenance required.
- ▶ It adopts German imported ceramic laser cavity, which has high reflectivity, is not easy to be scratched and requires no maintenance. The laser cavity used by other companies is easily scratched in the long-term use, especially in the case of cracking of the crystal rod, resulting in more damage to the laser cavity and more maintenance costs.
- ▶ Adopt left and right protective cover, which can ensure the brightness of the processing area. And it can be opened, which can be done not only by jewelry welding.
- ▶ The control panel is easy to operate.



1

Ergonomic Design

Easy to hold the grip in the case of ensuring the brightness of the processing area.

LCD Touching Control Panel

Easy observation of water temperature and water level of xenon lamp.
20 sets of parameters can be preset, directly input the serial number when using.

2

NUMBER	0	LAMP normal	Welcome to use the power supply
CURRENT	100 A	WaterTEMP normal	OTHER
PULSE WIDTH	3.0 ms	WaterLevel normal	PROHIBIT LIGHT
FREQUENCY	0.0 Hz	WaterTEMP normal	STOP
FACULA	+ 0.6 -	WaterTEMP (°C) 22.0 21.5	
		TOTAL: 7	
		SINGLE: 0	



Microscope

Adopt 10x microscope viewing system, helps to achieve extremely fine workpiece welding.



Gas Blowing Tube

By blowing nitrogen or argon gas, the workpiece is prevented from oxidizing and blackening, and the angle of the blowing pipe can be adjusted at will.

Parameter Adjustment Switch

Using this switch can easy adjust parameters during welding, and it can also be used as a backup of the touching screen.

LED Light

Using LED lamp for lighting. Prevent the darkness working conditions, and can reduce the stimulation to the eyes during work.



Laser Cavity

Adopt British imported ceramic cavity with high reflectivity, is not easily scratched, and requires no maintenance.

Foot Switch

Easy to use, you can control the laser output just by press by foot.

7



8



Power and water pipe interface

Exhaust Fan Design

Help to heat dissipation.

9



Spare Parts



Laser Lamp



Strong load capacity, high pumping efficiency, good laser beam quality and long life.

The normal service life is more than 1000000 lighting times, and there is no after-sales problem.

Protective lens

Avoid smoke splashes and dust contamination of the focusing lens during laser welding.

2

Model	PE-W100 / W150	PE-W200
Picture		
Laser medium	Nd3+:YAG	
Laser wavelength	1.064 um	
The ratio of the expanding	3X	
The focus length	100mm	
Output power	100W / 150W	200W
Pulse width	0.2-15ms adjustable	1.5~20ms adjustable
Pulse Repeated Frequency	1-20Hz adjustable	1-30Hz adjustable
The biggest single pulse energy	40J / 50J	75J
Running Environment	Temperature 5°C~30°C, humidity < 85%	
Continuous Working Time	24 hrs	
Continuous welding	/	Within 1 minute (this is more suitable for potholes that require welding wire.)
Water tank	integrated	External (1P), leaving a proper spacing around to ensure heat dissipation.
Ring light brightness adjustment	/	Adjustment knob
Processing area manual focus knob	have	/
Wheels	/	Wheels at the bottom for flexible movement



Terms and Conditions



Q1: Are you a factory or a trade company?

A1: We are a factory.

Q2: Where is your factory located? How can I visit there?

A2: Our factory is located in Wuhan, Hubei province, China. All our clients are warmly welcome to visit us!

Q3: Do you have any certificates?

A3: All series of machines have passed CE, FDA, ISO verification.

Q4: What is the trade term?

A4: FOB/CIF/CFR/EXW are favorable.

Q5: What is the payment term?

A5: T/T or L/C.

Q6: Do you arrange shipment for the machines?

A6: Yes, We can arrange shipment based on FOB/CIF terms. For EXW price, shipment should be made by your shipping agents.

Q7: Warranty?

A7: 1 Years guarantee (except for artificial damage).

Q8: How is the packing?

A8: All the packing comply with exporting standard.

Q9: How long is the lead time?

A9: 15 days.

For other questions, we will reply you ASAP after receiving your consult!