

Gold Jewelry Laser Welding Machine For Jewellery

Spot welding is an important and basic aspect of laser welding technology. When laser radiation heats the surface of work-piece, the surface heat diffuses to the interior through thermal conduction and melts the work piece by controlling the width, energy, peak power and repeating frequency of laser pulse to form specific molten pool.

Because of this unique feature, it is widely used in processing of precious jewelry or welding of precision parts.

Parameters

Model	RL-Y200
Maximum laser power	200W
Laser power	9KW
Laser welding smallest puddle	0.1mm
Laser pulse frequency	≤ 50Hz
Laser pulse width	≤ 20ms
Spot adjustment range	0.1-3.0mm
Spot size	0.2-3.0mm
Protective gas	1 channel
Power supply (Voltage)	220V, 50/60Hz, single phase
System dimension	1000*480*1080mm
Cooling system	400*350*880mm
Net weight	115kg
Shipping weight	about 145kg
Using range	Jewelry, denture industries

Details



Product Features

1. Good safety, protect operator's eyes.
2. Powerful anti-jamming performance.
3. Easy and convenient operation.
4. High stability.
5. Microscope system ensure the precise welding
6. The protective gas controlled by program ensure the quality of the welding
7. Adopt ceramic laser cavity, high laser beam reflectivity, high optic-electric transferring efficiency.
8. The optimum welding spot has symmetrical energy distribution.
9. Fast welding speed, deeper melts pool, less distortion.
10. Tight welding spot, easy to operate, no maintain, no need filling material.

Application

Widely used in aviation, aerospace, sports goods, jewel, golf head, medical instrument, electronics, mechanical process, car industries. Suitable for gold, silver, copper, titanium, stainless steel and other metals' patch welding, spot welding, pocket repairing and jaw hand welding when mount parts.



FAQ

Q1: I know nothing about this machine, what type of machine should I choose?

A: We will help you choose the suitable machine and share you the solution, you can share us the following information

1. what material will you weld
2. The welding material thickness
3. Is it joint welding or over-lay welding
4. What is the exact usage for the machine, for product welding or repair or other application

Q2: When I got this machine, but I don't know how to use it. What should I do?

A: We will send operation video and manual for the machine. Our engineer will do training online. If needed, we can send our engineer to your site for training or you can send the operator to our factory for training.

Q3: If some problems happen to this machine, what should I do?

A: We provide two years machine warranty. During the two-year warranty, in case any problem for the machine, we will provide the parts free of charge (except for artificial damage). After the warranty, we still provide whole lifetime service. So any doubts, just let us know, we will give you solutions.

Q4: What's package, will it protect the products?

A: We have 3 layers package. For the outside, we adopt wooden cases free of fumigation. In the middle, the machine is covered by foam, to protect the machine from shaking. For the inside layer, the machine is covered by waterproof plastic film.