




BLUE MECH ENGINEERS

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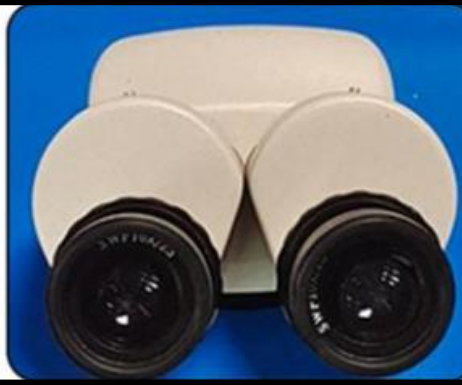
Jewellery Laser Welding Machine



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- Jewellery spot welding machine with External chiller is specially developed for laser welding of jewellery and mainly used in perforating and spot welding of gold and silver jewellery.
 - It is of touch screen type, adopting new style power source, elaborated operation, and optimizing the optical path, with high photoelectric conversion efficiency, high stability, small size, high configuration and other characteristics.
 - The laser spot welder is an important aspect of laser process technology application.
 - The spot welding process is thermal conduction, i.e. the laser radiation heats the surface of work piece, and the surface heat diffuses to the interior through thermal conduction and melts the work piece by controlling the width, energy, peak power and repeated frequency of laser pulse to form specific molten pool.

01 Microscope

Carefully observe the welding reaction of the sample



02 Workbench

Open table, better observation of sample weld mark!



03 Control panel

Control screen, only need to adjust three parameters, convenient Simple operation that is to learn to use!



MODEL	JLW-200W
Laser Power	200W
Laser Wavelength	1064 nm
Pulse Frequency	≤100 Hz
Precision	±0.1 mm
Pulse Width	≤ 20 MS
Spot Adjusting Range	0.1-3.0 mm
Power Consumption	6 KW
Viewing System	Microscope
Voltage	220V/50Hz/20A
Cooling	Water Cooling
Size	1000x580x1280 mm

FEATURES:

- 1) This type machine is designed according to ergonomics, which meets the need of exquisiteness, blazonry, stable performance of jewellery industry, and is suitable for long and continuous working time. One key operation: one key switch, simplify the starting process ,makes it easy and convenient.
- 2) The single chip microcomputer control regulation: the storage can be classified into 50 groups which indicates for commonly used welder parameters.
- 3) The energy, pulse width, frequency and light spot size can be adjusted in a large range to realize different welding effects. The parameters are adjusted by the lever in the seal cavity, which is simple and highly efficient.
- 4) Using the most advanced light shielding system to eliminate the irritation to eyes by light during working.
- 5) Able to work for 24 hours continuously; stable performance; free of maintenance in 10,000 hours.
- 6) Annular, shadow less, adjustable brightness LED-lamp makes it clearer while observing the welding area. Human-based design accords with ergonomics, avoiding fatigue caused due to long time work.

