

English

Language

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匠心工艺 百年大粤
Ingenuity craftsmanship, a century of Dayue

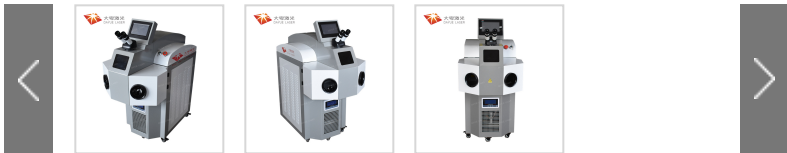
Keyword



Jewelry laser spot wel (integrated)

Dayue Laser has developed a machine integra which saves space in the use position. It is ma sand holes, repairing holes, repairing seams, s inlaid parts of gold and silver jewelry...

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Product Details

Dayue Laser has developed a machine integrated with the water tank, which saves space in the use position. welding sand holes, repairing holes, repairing seams, spot welding sand holes and inlaid parts of gold and sil size can be adjusted at will during the welding process; the heat-affected zone is small; the solder joints are f excessive post-welding treatment; precise positioning, and the surrounding inlaid jewelry will not be damage process.

Jewelry laser spot welding machine is a water-cooled integrated laser welding system developed by Dayue L jewelry industry. The system is mainly composed of laser, power supply, control system, chiller, light guide and stereo microscope observation. It has a compact structure and small size. The microscopic coordinate indicating beam makes it easy to locate the workpiece without special fixtures. The laser power, pulse frequency, and pulse width can be changed through the control panel. With filter protection, it protects the operator's eyes from being damaged, reduces operator's glasses fatigue, and improves work efficiency. A high-definition CCD monitoring system can be installed. Mainly used for spot welding sand holes, repairing holes, repairing seams, spot welding sand holes and inlaid jewelry. The welding spot size can be adjusted at will during the welding process; the heat-affected zone is small and beautiful without excessive post-welding treatment; precise positioning, and the surrounding inlaid jewelry is not damaged during the welding process.

Features:

1. The developed high-performance laser power supply has high single-pulse energy, low power, extremely low temperature during welding.
2. The automatic shading system is adopted to eliminate the damage to the eyes during working hours. Human ergonomics, work for a long time without fatigue.
3. No need to fill solder, fast welding speed, high quality, reliable joints, small deformation of the workpiece, beautiful shape, no pollution to the solder joints, high efficiency and environmental protection.
4. The ceramic laser cavity and R&D products of well-known international manufacturers ensure the high reliability of the equipment. It has the ability to work continuously for 24 hours, the performance of the whole machine is free within 10,000 hours.
5. The unique YAG crystal cooling method improves the beam quality and the life of the xenon lamp, and reduces energy consumption.
6. Energy, pulse width, frequency, spot size, etc. can be adjusted in a larger range to achieve a variety of welding effects. Parameters are adjusted by the control rod in the enclosed cavity, which is simple and efficient.

Industry Application:

Jewelry laser welding machine can weld K gold, platinum, titanium, silver, copper, stainless steel, aluminum and their alloys, as well as precision welding of various jewelry and small parts. It is suitable for many industries such as communications, hardware, watches, medical equipment, aluminum alloy dentures, meters, machining, automotive

Technical Parameters:

Model: DY-ESW200 DY-ESW400 DY-ESW600

Laser power: 200W 400W 600W

Laser wavelength: 1064nm 1064nm 1064nm

Welding frequency: $\leq 100\text{hz}$ $\leq 100\text{hz}$ $\leq 100\text{hz}$

Pulse width: 0.1-20ms 0.1-20ms 0.1-20ms

Welding depth: $\leq 2.0\text{mm}$ $\leq 3.0\text{mm}$ $\leq 5.0\text{mm}$

Spot diameter: 0.1-2.0mm 0.1-2.0mm 0.1-3.0mm

Power requirements: AC220V/50HZ single-phase AC380V/50HZ three-phase AC380V/50HZ three-phase

Power consumption of the whole machine: $\leq 7\text{KW}$ $\leq 13\text{KW}$ $\leq 18\text{KW}$

Control system: microcomputer control

Cooling system: external/built-in water cooling optional

Related Products

No relevant information

Inquiry

Contact Name:

Company Name:

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Laser?:

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