

Smart Industrial Laser Welding

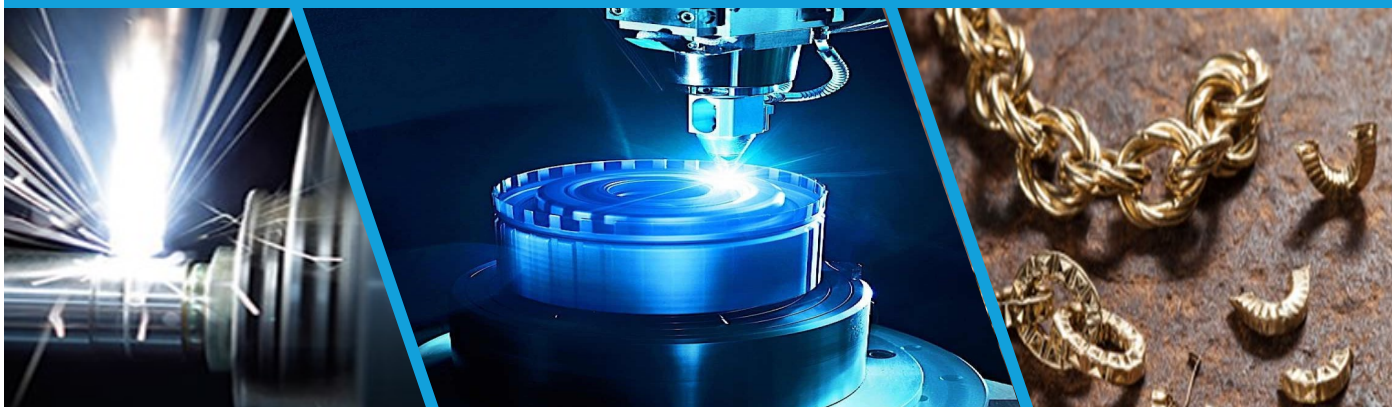
Spot welding is an important and basic aspect of laser welding technology. When laser radiation heats the surface of work-piece, the surface heat diffuses to the interior through thermal conduction and melts the work piece by controlling the width, energy, peak power and repeating frequency of laser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

200W Jewelry Laser Soldering Machine is specially used for spot welding, perforating, repairing, retyping and resizing of gold/silver/titanium/platinum jewelry and small accessories. Also widely used in aviation, aerospace, sports products, medical instrument, titanium alloy denture, instrument, electronics, machinery, automobile, etc.



Specifications

- Type of Laser: Flash lamp Nd:YAG laser
- Laser Power: 200 W
- Laser Wavelength: 1064 nm
- Mode of Operation: Pulsed
- Pulse Energy: 40j@ 5Hz
- Repetition Rate: 1-20 Hz
- Pulse Duration: 0.5-20 ms
- Cooling Method: Water Cooling
- Power Source: 220 V, 50 Hz
- Smart & Automatic Focusing (Optional)
- High Accuracy & Stability Of Rotary Machine (Optional)



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