

# SPOT Laser Welding Machine

## Product Description

Laserwares's Spot Welding is an important and basic aspect of laser welding technology. When laser heats the surface of work-piece, the surface heat diffuses to the interior through thermal conduction and melts the work pieces 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.

Jewelry laser spot welding machine is specially used for spot welding, perforating, repairing, re-tipping and resizing of gold/silver/titanium jewelry and small accessories. etc.



## Performance Specifications

SPOT Laser Welding Machine	Specification	Unit
Operation Wavelength	1064	nm
Nominal Output Power	150/200	W
Laser Energy	60/80	J
Pulse Width	<20	ms
Laser Pulse Frequency	50	KHz
Observing System	Microscope	
Beam Diameter	0.1-3	mm
Chamber Illumination	LED	
Parameter Memorization	10	set
Welding Chamber Dimensions	300x450x150	mm
Longtime Power stability	<5	%
Operating Voltage	220	V
Power Consumption	5/6	KW
Cooling	Water	
Operating Temperature	0-40	°C
Storage Temperature	-10-60	°C
Dimension	920x560x1220	mm
Weight	180	KG

## Features

- High Precision
- High Welding Quality
- Maintenance Free
- Environment Friendly

## Applications

- Jewelry Welding
- High Precision Welding



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### Ordering Information: LWSW-200WS

### Samples:



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