



Handheld

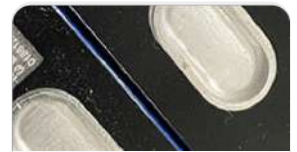
Laser welding Machine

(HS-LW series)

(HS-LW series)



Battery welding



Nickel sheet



Carbon steel



1mm zinc alloy



SS Pot



Copper welding



Aluminum



Stainless steel

Discover the next generation of welding technology with our handheld laser welding machines. These innovative devices offer unparalleled precision and efficiency, making them an ideal choice for various industries and applications. With their portable design and user-friendly interface, our handheld laser welding machines provide a convenient and cost-effective solution for all your welding needs.



Portable design

Easy transportation and maneuverability for diverse tasks.



User-friendly

Intuitive controls for a seamless welding experience.



Energy-efficient

Reduced power consumption compared to traditional methods.



Fast welding speeds

Enhanced productivity and minimized downtime.



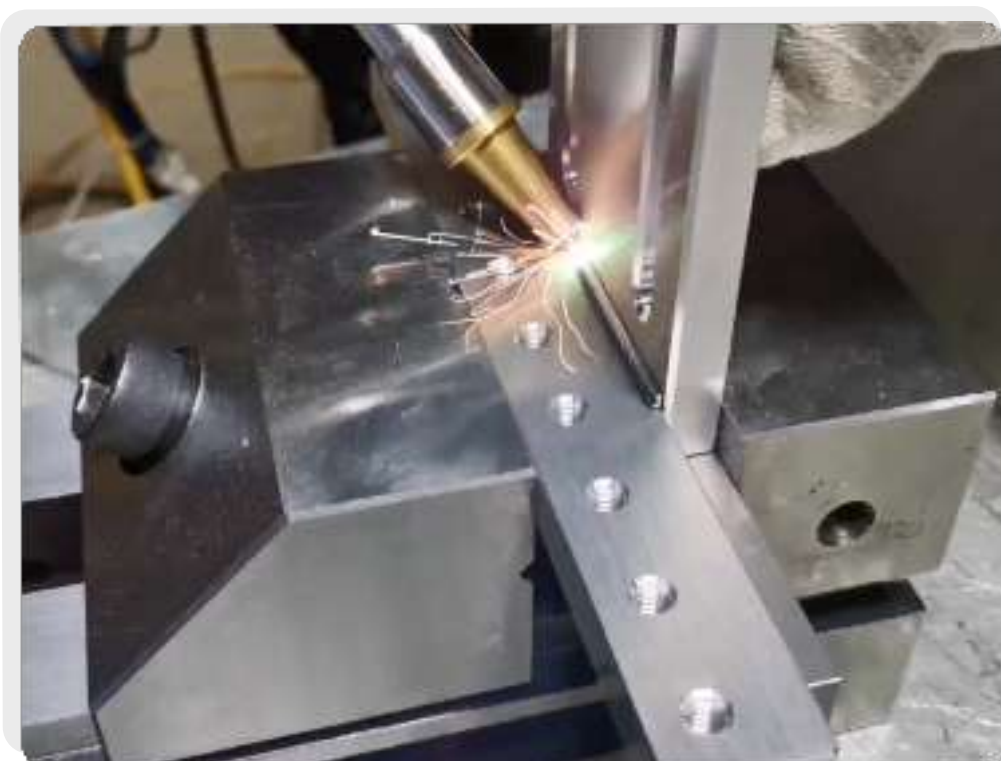
Precise welding

High-quality welds with minimal heat distortion.



Versatile

Suitable for various metal materials, including stainless steel and aluminum.



Our Machine

Integrated cable

Integrated cable storage bracket

Operation panel

(Emergency stop/power indicator/
laser switch/enable)

Welding control screen

Water chiller

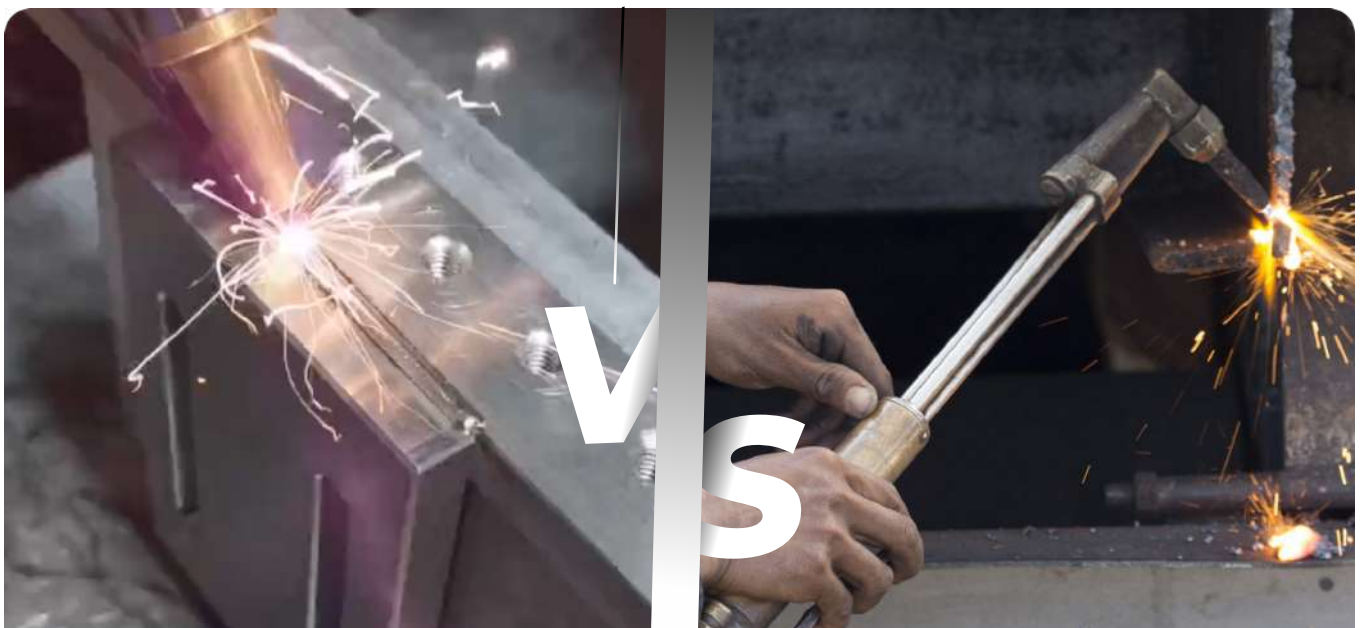
Water inlet

Wore feed operation screen

Laser source

Wire feeder

Water outlet



 **Laser welding Machine**
Environmentally friendly, no supplies

 **Conventional welding**
High volume of consumables, dust pollution

Machine Specification



Model No	HS-LW1000	HS-LW1500	HS-LW2000	HS-LW3000
Output Power	1000W	1500W	2000W	3000W
Operating Mode	Continuous Mode			
Laser Wavelength	1080nm			
Power Requirements	220V	220V	380V	380V
Machine Consumption Power	≤5KW	≤8KW	≤10KW	≤15KW
Fiber Cable Length	8m			15m
Cooling Type	Water Cooling			
Frequency	10-20KHz			
Scanning Width	100mm			
Welding Speed	0-120mm/s			

Machine Applications

From automotive to electronics, and from aerospace to medical, handheld laser welding machines deliver reliable, high-quality welds to meet the diverse needs of today's fast-paced industrial landscape.

Typical Applications and Industries Served



Automotive

Assembly and repair of vehicles, components, and bodywork



Aerospace

Welding of aircraft components and structures



Electronics

Joining circuit boards, connectors, and other electronic components



Medical

Fabrication and repair of medical devices and surgical instruments



Energy

Assembly and maintenance of solar panels and wind turbines



Manufacturing

General metal fabrication, assembly, and repair tasks



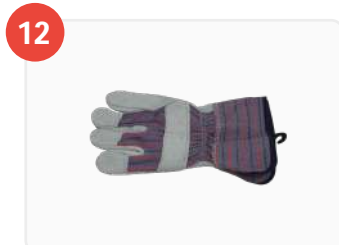
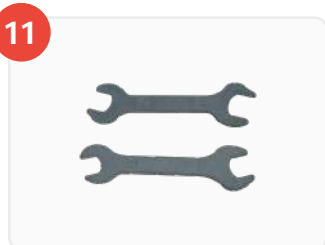
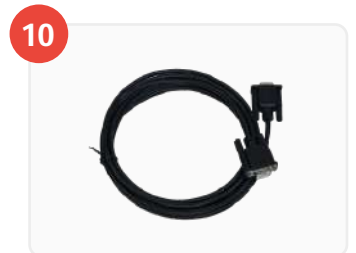
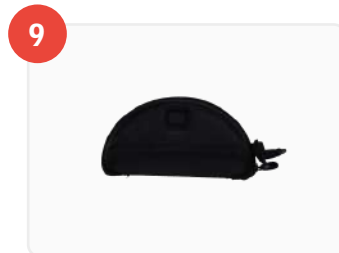
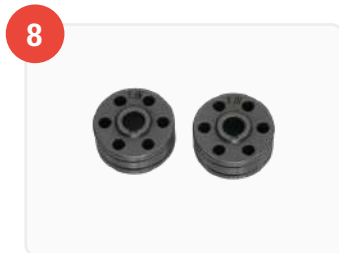
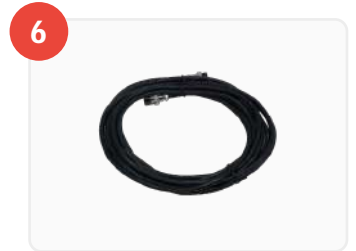
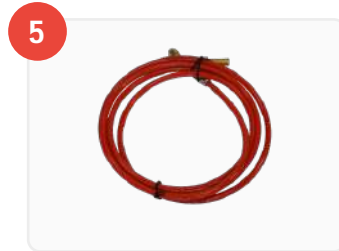
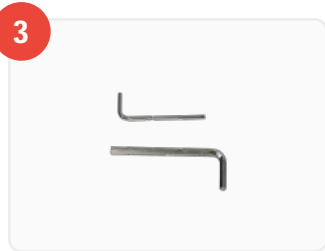
Shipbuilding

Construction and repair of maritime vessels and structures


Laser welding Machine Paking List




- 1 Machine
- 2 Wire Feeder
- 3 Metric Hex Key
- 4 welding hend torch gun
- 5 Wire guiding tube
- 6 Control cable
- 7 Machine
- 8 Wire feed wheel
- 9 Goggles
- 10 Serial line
- 11 Wrench
- 12 Hand Gloves



Contact Information

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<https://www.heatsign.com/contact-us/>



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