

DS-LW series

Handheld Fiber Laser Welding Machine

Average output power:

1000W / 1500W / 2000W



Handheld and flexible



High efficiency and perfect effect

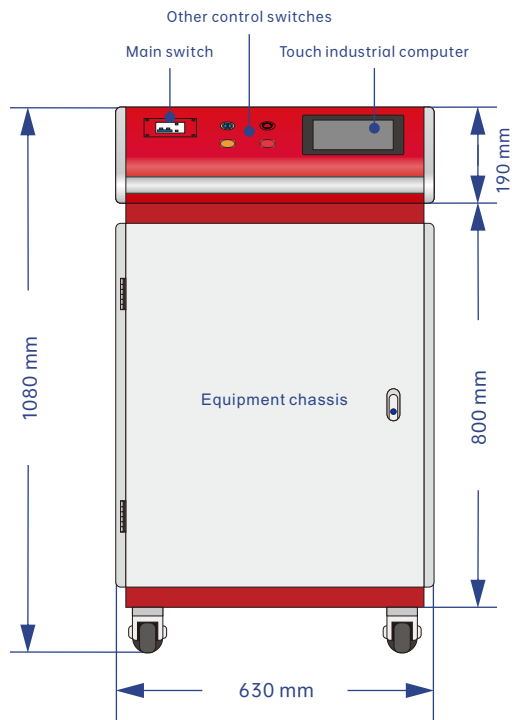


PRODUCT DESCRIPTION

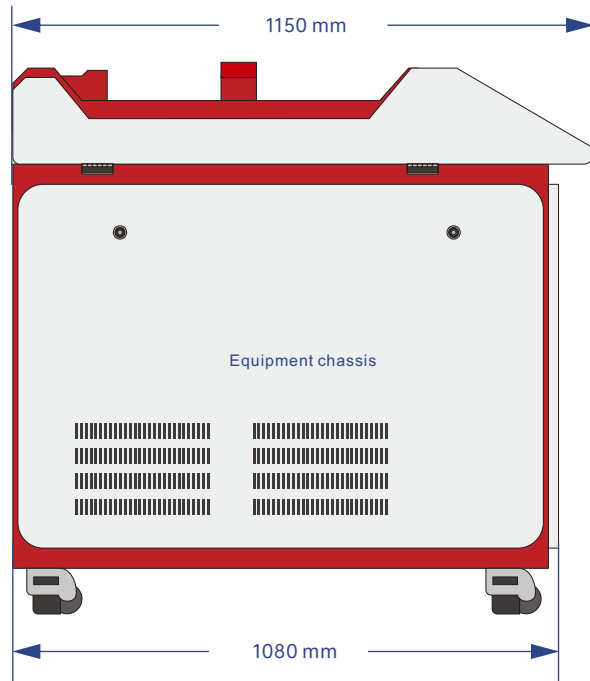
DS-LW series handheld laser welding machine is a new generation of laser welding products. The laser chooses Raycus high-quality laser source. The whole machine adopts integrated design, beautiful appearance and stable performance, easy to install and simple to operate, High safety. The characteristics include fast welding speed, high efficiency, good welding effect, less welding consumables, long life and environmental protection. It can be widely used in kitchen appliances, door and window guardrails, staircase elevators, stainless steel furniture, metal sheet metal, and advertising Welding in industries such as brand, craft gifts, auto repair, auto manufacturing, rail transit and aerospace.

DS-LW series hand-held laser welding machine standard wire distribution machine reduces the requirements of parts for gaps and further improves the welding quality. It can also be used in conjunction with a collaborative robot to fix the welding torch on the collaborative robot to reduce the labor intensity of the operator and improve the welding quality of the weld.

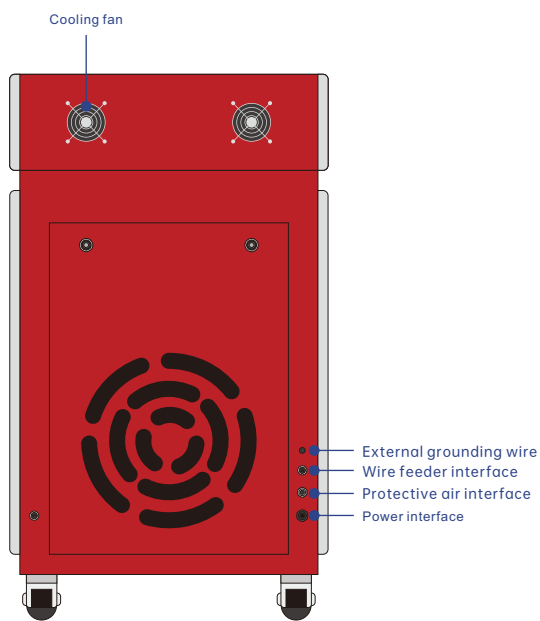
PRODUCT SIZE



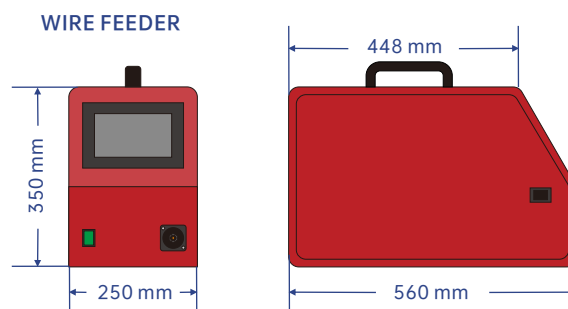
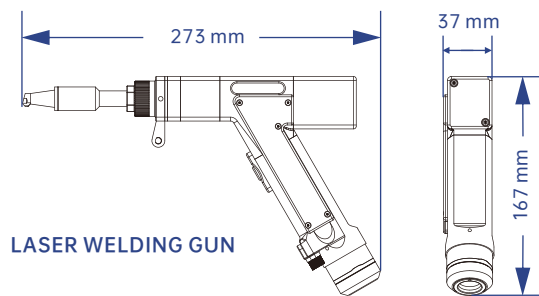
FRONT OF THE DEVICE



THE RIGHT SIDE OF THE EQUIPMENT



THE BACK OF THE DEVICE



机型特点

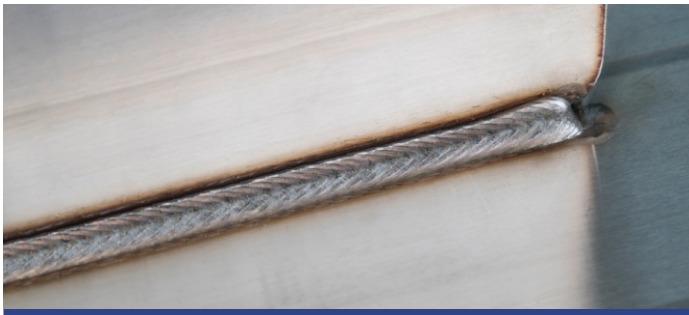
PRODUCT FEATURES

- The internal design is dexterous, and the good interactive control system expands the tolerance range of the processed parts and the width of the weld seam, solves the disadvantage of small light spot, and makes the weld seam better;
- The shape is light, the design method of body engineering is adopted, and the grip is comfortable; it is easy to control with one hand, and the operation is simple and easy to use;
- With multiple safety alarms, the light will be automatically locked after the workpiece is removed, and the safety is high;
- Beautiful welding seam, fast speed, no consumables, no welding marks, no discoloration, no need for later polishing;
- A variety of angle nozzles can be configured to meet the welding needs of different products.

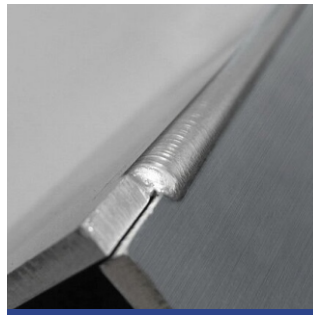
PRODUCT PARAMETER

Model series	DS-LW series (RAYCUS laser source)		
Model	DS-LW1000	DS-LW1500	DS-LW2000
Laser source model	RFL-QCW 1000	RFL-QCW 1500	RFL-QCW 2000
Output power	1000W	1500W	2000W
Laser wavelength	1080±5 nm		
Operating mode	Continuous / Modulation		
Power adjustment range	10 ~ 100%		
Fiber core diameter	50 (25, 100, 200 optional)		
Aiming and positioning	Red light		
Fiber length	10 m		
Welding speed	0 ~ 120 mm/s		
Applicable thickness	< 3.5mm (depending on the material)		
Wire feeder	Standard wire feeding speed 38~600mm/min		
Wire feed diameter	0.8/1.0/1.2/1.6/2.0mm		
Cooling way	Water cooling		
Working environment	10~40°C, humidity 10~85%, no condensation		
Rated power	4KW	6KW	8KW
Operating Voltage	380±10% VAC、50/60Hz		
Dimensions	1150X630X1080 mm		
Total Weight	About 250kg		

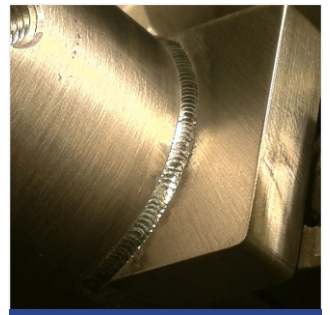
SAMPLE PICTURES



● Hardware sheet metal



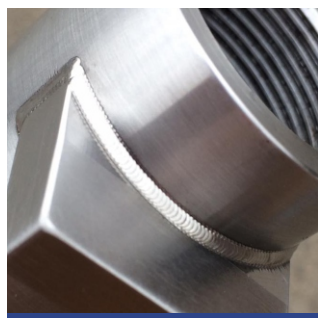
● Kitchen utensils



● Machinery parts



● Auto parts



● Aerospace manufacturing

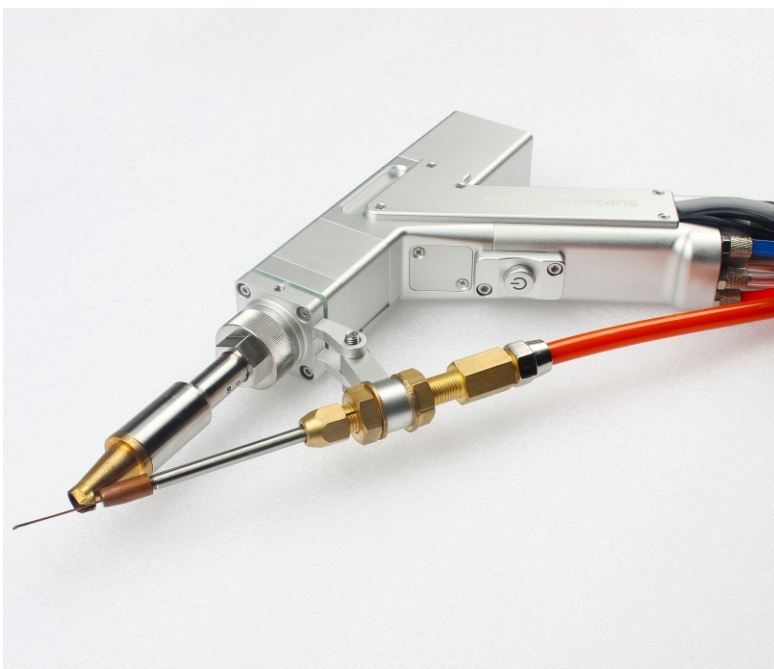
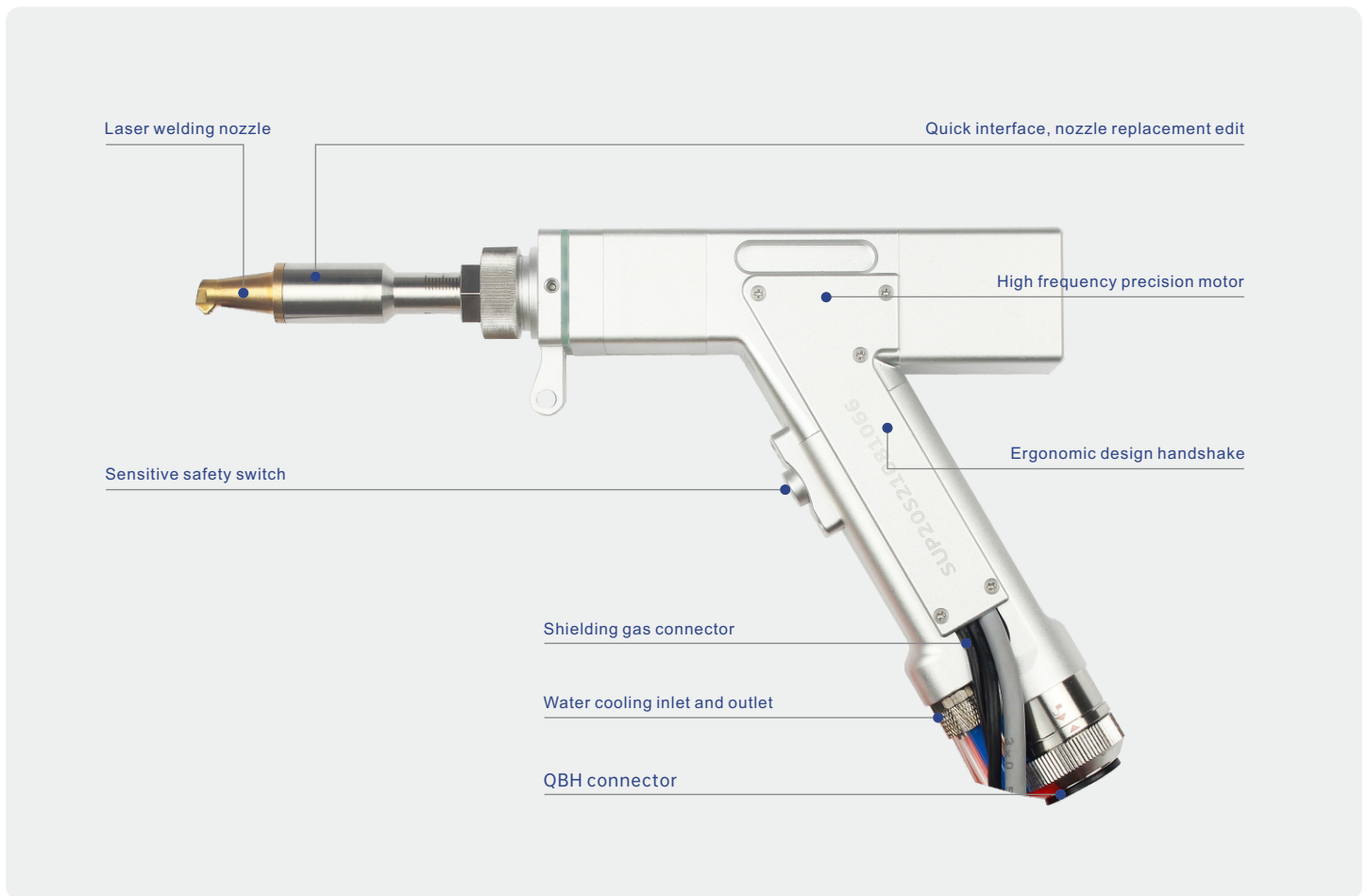


● Stainless steel furniture

STANDARD LAYOUT



LASER WELDING GUN

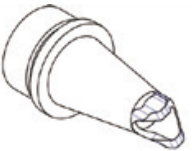
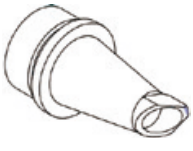
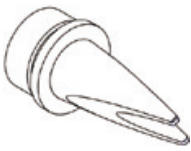
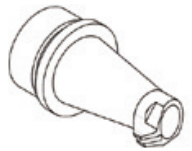
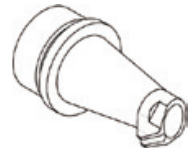
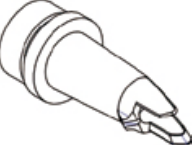
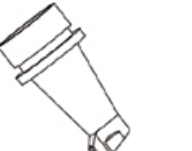




Laser welding heads are widely used in complex and irregular welding procedures in industries such as stairs, elevators, shelves, ovens, stainless steel door and window guardrails, distribution boxes, stainless steel furniture, etc.; it perfectly replaces traditional argon arc welding, stainless steel, iron, aluminum and other metal materials Aspect welding.

- The internal design is smart, the interactive control system expands the tolerance range of the processed parts and the width of the weld seam, it solves the disadvantage of small light spot and makes the weld seam better;
- Lightweight in shape, adopting body engineering design method, comfortable to hold; it's easy to control with one hand and easy to operate;
- With multiple safety alarms, the light will be automatically locked after the workpiece is removed, the safety is high;
- Beautiful welding seam, fast speed, no consumables, no welding marks, no discoloration, no need for later polishing;
- A variety of angle nozzles can be configured to meet the welding needs of different products.

LASER WELDING NOZZLE



 <p>Name: Copper Mouth Number: A Remarks: no wire feeding</p>	 <p>Name: Copper Mouth Number: B Remarks: no wire feeding</p>	 <p>Name: Copper Mouth Number: C Remarks: no wire feeding</p>	 <p>Name: Copper Mouth Number: AS-12 Remarks: 0.8/1.0/1.2MM</p>	 <p>Name: Copper Mouth Number: BS-16 Remarks: 1.6MM</p>
 <p>Name: Copper Mouth Number: CS-12 Remarks: 0.8/1.0/1.2MM</p>	 <p>Name: Copper Mouth Number: DS-12 Remarks: 0.8/1.0/1.2MM</p>	 <p>Name: Copper Mouth Number: ES-12 Remarks: 0.8/1.0/1.2MM</p>	 <p>Name: Copper Mouth Number: FS-16 Remarks: 1.6MM</p>	