



RILON HAND HELD FIBER LASER WELDING

water cooling

Dual circuit water cooling,
High welding efficiency

Double protective lens,
Reduce 30% failure rate

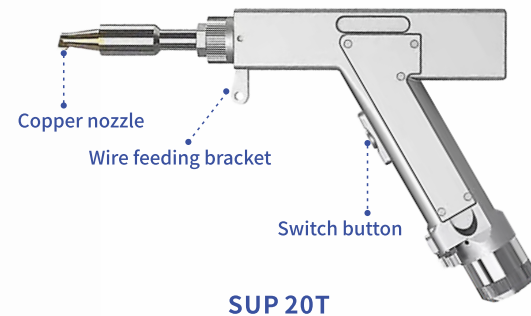


<https://www.rilonthailand.co.th/>

Water Cooling Hand Held Laser Welding

Dual circuit water cooling, High welding efficiency.

- Constant temperature cooling, better heat dissipation, can work for a long time with full power.
- Detachable torch head, easy to replace the lens, easy to keep maintenance.
- Mature high power 3000w technology, can reach the melting depth of 8mm (carbon steel / stainless steel), successfully solved the problem of medium-thickness plate.
- Digital adjustable spot welding technology, solid welding, beautiful molding, smooth weld seam, reduce the subsequent grinding process.
- Built-in library of expert parameters for different metal materials. No need professional welders do it, freshmen can master it after a few hours of training.
- Welding speed is 3-10 times faster than traditional TIG machine, saving 3-10 welders.



Product parameters

PARAMETERS	RL-HLW-1500W/2000W	RL-HLW-3000W
Laser power(W)	1500/2000	3000
Laser wavelength(NM)	1070	
Fiber Length(M)	Standard 10M, (support customizable length≤15M)	
Wire diameter(mm)	0.8/1/1.2/1.6	
Welding speed(mm/s)	0-120	
Welding gap(mm)	≤0.5	
Cooling Method	Industrial thermostatic water tank	
Rated input voltage and frequency	AC 220V 50Hz (support customizable 60Hz)	AC 380V 50Hz (support customizable 60Hz)
Working method	Continuous/Modulated	
Working temperature(°C)	-10~40	
Working humidity(%)	<70% No condensation	
Torch head weight(g)	650	
Product weight(kg)	Power source 120/130, Wire feeder 10	Power source 240, Wire feeder 10
Product size(L*W*H)	930*530*850mm	991*710*1100mm
Language support	Chinese/English/Russian/Japanese/Vietnamese	
Extension function	Cutting/Cleaning	

Selection recommendation	Stainless Steel	Carbon Steel	Galvanized Sheet	Aluminum
1500W	0.5-3.5mm	0.5-3.5mm	0.5-3mm	0.5-3mm
2000W	0.5-4mm	0.5-4mm	0.5-3.5mm	0.5-3.5mm
3000W	0.5-6mm	0.5-6mm	0.5-5.5mm	0.5-5mm

Welding Process and Application

