



Laser Welding Machine RL-HLW-3000 II

50
60 Hz

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PHASE

DC

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Water Cooling Hand Held Laser Welding

Dual circuit water cooling, High welding efficiency.

Features

- 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.
- Wire feeder Automatic feeding and withdrawal, Adjustable wire feeding speed.



Safety Features: Equipped with safety mechanisms to ensure operator protection during operation.

APPLICATION SPECIFICATION : Welding various metals efficiently and precisely

Portability: Hand-held design allows for easy maneuverability and accessibility to tight spaces

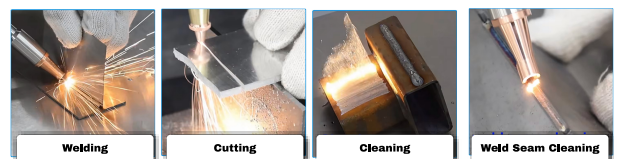
Cooling Efficiency: Force air cooling ensures continuous operation without overheating

TECHNICAL DATA	RL-HLW-3000 II
Laser Power (W)	3000 Watt
Type	Hand held Laser Welding Machine
Laser Wave Length (NM)	1080 ±10
Fiber Length (M)	Standard 10M (Support customizable length <15M)
Wire Diameter (mm)	0.8/1.0/1.2/1.6
Welding Speed (mm/s)	0-120
Welding Gap (mm)	<0.5
Cooling Method	Industrial thermostatic water tank
Power Consumption	≤13 kw
Input Voltage and Frequency	AC 220V 50Hz (Support customizable 60Hz)
Repeat Frequency	0.005- 100 KHz
Range of Power	0-100% Adjustable
Working Method	Continuous/Modulated
Working Temperature (°C)	-10~40
Working Humidity (%)	<70% No condensation
Torch Head Weight (g)	650
Product Weight (kg)	Power source 160, Wire feeder 26
Product Size (L*W*H) mm	1069×560×911
Extension Function	Welding/ Cutting/ Rust Cleaning/ Welding Seam Cleaning
Language support	Thai/English/Russian/Japanese/Vietnamese/Chinese /Other

Optional Accessories



4IN1 Function



Performance Thickness : Max Welding , Cutting and Welding seam ≥ 6.0 mm.

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



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