



Laser Welding Machine

4-in-1 Functions: Welding / Cutting / Cleaning / Rust Removal



HERO[®]

4 IN 1 FIBER LASER WELDING MACHINE

Power Options: 1500W / 2000W / 3000W

Dimensions: 1038 x 530 x 858 mm (1500W / 2000W)

Model: T-LWM-HW1500/T-LWM-HW2000/T-LWM-HW3000

1154 x 720 x 968 mm (3000W)



Key Features

- 4-in-1 Functions: Welding / Cutting / Cleaning / Rust Removal
- Optional single or double wire feeder for different welding needs
- High welding speed with smooth and beautiful seams, no polishing required
- Suitable for multiple metals: stainless steel, carbon steel, aluminum alloy
- Touchscreen control with intuitive parameter adjustment
- Built-in safety protection system for reliable operation
- Fiber laser lifespan \geq 100,000 hours
- High energy efficiency with low operating cost

Product Specification

Item	Laser Welding Machine Parameter		
Model	T-LWM-HW1500	T-LWM-HW2000	T-LWM-HW3000
Max laser power	1500w	2000w	3000w
Rated Input Power	6kW	6kW	10kW
Voltage required	220V (\pm 10%) 50Hz 1phase	415V (\pm 10%) 50-60 3phase	415V (\pm 10%) 50Hz 3phase
Cable length	Standard 10m, customizable		
Auxiliary gas	N ₂ /Argon		
Cooling Method	Chilled water circulation system		
The weight of welding head	0.8kg		
Working Temperature	-10°C~40°C		
Dimensions (L*W*H)	1038/530/858 mm		1154/720/968 mm
Machine Weight	\leq 80 kg	\leq 80 kg	\leq 180 kg

Welding Capability				
No.	Material	1.5kw Depth of fusion	2kw Depth of fusion	3kw Depth of fusion
1	Stainless Steel/ Galvanized sheet	0.5-4 mm	0.5-6mm	1-8mm
2	Carbon steel/iron	1-4 mm	1-6mm	0.5-7mm
3	Aluminum	1-2 mm	1-3mm	1-6mm

Laser Welding VS. Traditional Welding



Laser Welding	Traditional Welding
High precision, minimal heat affected zone	Less precise, larger heat affected zone
Non-contact or low-contact, reduces distortion	High contact, higher risk of warping/distortion
Fast welding speed, high efficiency	Slower, labor-intensive
Clean welds, no filler material or flux required	Often needs filler materials and flux, may require post-processing
Can weld complex shapes and thin materials	Difficult on thin or intricate parts

Four-in-one Functions

When switching functions, you need to replace the copper nozzle, focus lens, dust cap and other related accessories for welding torch.



Welding

The laser welding machine has fast welding speed and improves welding efficiency. Good welding effect, improve the yield rate. Easy to operate, inexperienced people can quickly learn how to operate the equipment within 5 minutes, saving labor costs for factories.



Cutting

Change the parameters in the control panel, and choose the nozzle for cutting, the machine can be switched to the cutting mode. It is able to cut thin metal sheets easily and quickly, speeding up factory production efficiency.



Weld Seam Cleaning

Weld seam cleaning function is the newest innovation for our fiber laser welding machine. It can fit more needs for our customers who have higher requirements for some delicate work. With more clear, smooth weld seams, it also can realize faster speed and higher efficiency.



Cleaning

Change the parameters in the control panel, and choose the nozzle for cutting, the machine can be switched to the cutting mode. It is able to cut thin metal sheets easily and quickly, speeding up factory production efficiency.

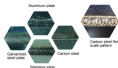
Welding at any angle

Welding head can weld workpieces at any angle, suitable for various complex welds and various equipment.



Not only ease of use and efficiency, but also welding art

Through the intelligent operating system, users can quickly select welding parameters based on different materials and thicknesses, and beginners can also weld high-quality and consistent welds.



Application Areas

Household Appliances, Metal Furniture, Container Welding, Metal Doors & Windows, Medical Equipment, Advertising Board, Aircraft Maintenance, DIY, and Auto Parts Industries



Samples Show

- Applicable to a variety of welding processes, including spot welding, seam welding and overlap welding.
- Flexible for welding/cutting/cleaning work-piece with an optical fiber up to 8-10 m.





Distributed By :

