Four-in-one Handheld Laser Welding Machine Series

Welding / Cutting / Rust Removal / Weld Seam Cleaning

1.5KW / 2KW / 3KW

Product Features

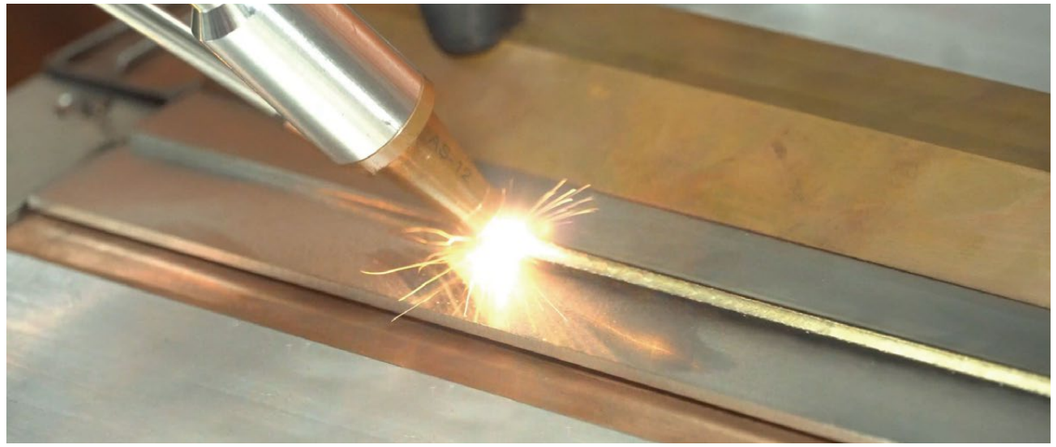
- High-quality industrial-grade laser generator with sufficient power and not exaggerated labeling;
- Industrial-grade laser electronic control and optical control solutions with stable laser power output and small power fluctuation;
- Large redundant laser chip reserved and small power attenuation;
- Stable and reliable handheld laser welding torch system solution, closer to user needs;
- Professional dual-temperature&dual-control water cooling system to ensure long-term welding;
- Industrial-grade LCD screen, simple touch screen operation, easy and efficient human-computer interaction;
- Support 10 JOB of parameter storage and user customization;
- Continuous and modulation modes are more suitable for heat conduction welding of thin plates, deep fusion welding of medium and thick plates, with large depth-to-width ratio.
- Applicable materials: carbon steel, stainless steel, high-strength steel, galvanized sheet, corrugated sheet, aluminum alloy, magnesium alloy, titanium alloy and other metal materials;
- Applicable industries: automotive parts, two/three-wheeled vehicles, photovoltaics, energy storage, charging equipment and other occasions with diverse welding stations and complex processes.

Product Specification

Item	MEGMEET LUX Series Handheld Laser Welding Machine		
Product specification	LUX-1500	LUX-2000	LUX-3000
Rated input voltage(AC)	1-phase 220V 50/60Hz	1-phase 220V 50/60Hz	3-phase 380V 50/60Hz
Rated input power	6kW	8kW	13kW
Rated output laser power	1.5kW	2kW	3kW
Output laser wavelength	1080±10nm	1080±10nm	1080±10nm
Cable length	Standard 10m/ can be extended to 15m		
Working mode	Continuous, modulated		
Cooling method	Dual temperature&dual control industrial constant temperature		
water cooler	-10°C~40°C	-10°C~40°C	-10°C~40°C
Working temperature range （Tc=40°C）	<70%no condensation	<70%no condensation	<70%no condensation
Welding thickness recommendation	0.5~4mm	0.5~6mm	0.5~8mm
Dimensions (L×W×H)	915×790×540mm	915×790×540mm	1215×530×860mm
Weight	≦90kg	≦90kg	≦160kg

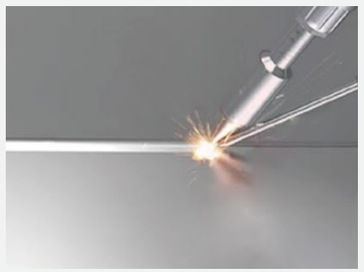
High-quality Light Beam to ensure one-time forming with less consumables.

When laser is focusing, the power density is high, focal spot diameter is small, and heat source is stable and concentrated. Welding is almost free of spatter, and basically no grinding is required after welding finished.



Laser welding speed is fast and efficient with small deformation.

- Save time and labor cost. One laser welding machine is equivalent to four TIG machines;
- Small deformation, no need post-welding shaping.



Handheld laser welding

VS

Traditional welding

Welding method	Welding speed	Operation	Welding quality			Environmental friendly	
			Weld Forming	Workpiece deformation	Post-weld treatment	Environmental pollution	Personal hazard
Megmeet Super-stable fiber laser welding	Extremely fast	Extremely easy	Good	Small	None	Small	Low
Conventional arc welding	Slow	Hard, and welders need to have certification	So-so	Big	Polishing and shaping	Many spatter and large pollution	High
YAG laser welding	Slow	So-so	Good	Small	Polishing	Mid-level	Low