HPT
HeroPowerTech

Handheld Laser Welder

Water-Cooled Handheld Laser Welder

50C

"Mobile Design + 480g Torch
5.0mm Depth | Instant Mastery"

Application

Basic Industries: Hardware, Fixtures, Appliances, Construction

Precision Tech：Electronics, Medical, Instruments, New Energy

Transportation & Heavy Industry：Automotive, Shipbuilding, Aerospace & Components

Features

- **IIntegrated Mobility**：All-in-one chassis (Feeder/Torch/Gas Tank*). High onsite flexibility.*Optional bracket.
- **480g Remote Torch**：Ultralight & Ergonomic. Direct control of Power / Swing / Wire-feed at your fingertips.
- **Run All Day**：Instant start, zero overheating. Stable output for non-stop operation.
- **3-Min Smart Setup**：Expert presets built-in. Achieve professional welds, even for beginners.
- **4-in-1 Multi-Tasking**：One system for Welding, Cutting, Cleaning, and Descaling.
- **5.0mm Deep Fusion**：Superior penetration with 20% less gas and material waste.
- **Global Safety Standards**：CE, FCC, MD, and PL-e certified. Comprehensive operator protection.

Specification

System & Power	Rated Input Voltage	220V Single Phase, 60Hz	Welding Performance	Wobble Scan Type	Single Motor Scanning Wobble
	Rated Input Power	4.5kW		Wobble Type	Linear
	Max. Power Consumption	5.0kW		Wobble Length / Width	0~5.5mm
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal		Max. Welding Thickness	Stainless / Carbon Steel 5.0mm
	Control Interface	7-inch Touch Screen			Aluminum 3.5 / Brass4.0 /Copper 1.0mm
	Dimensions (W*D*H)	286*654*579mm		Cable Length	5M
	Main Unit Weight	< 46kg		Torch Weight	< 0.48kg
Laser Performance	Fiber Connector	QBH	Wire Feeding	Wire Diameter	0.8/ 1.0/ 1.2/ 1.6mm
	Peak Power	1300W		Spool Size	Max. Φ 300mm
	Rated Laser Output Power	1200W ±50		Spool Capacity	SS: 15kg / CS: 20kg
	Output Laser Wavelength	1080nm		Wire Feeder	Single
	Output Laser Wavelength	Continuous / Pulse / Spot	Cooling	Cooling Method	Air Cooled
	Safety Certification	CE, FCC, MD, PL-E		Assist Gas	Nitrogen、Argon
	Laser Safety Class	Class 4		Gas Input Pressure	0.3~0.8MPa

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