HPT
HeroPowerTech

Handheld Laser Welder

Water-Cooled Handheld Laser Welder

HW2000

"2000W
CE Certified 4-in-1"

Application

General Industry：Sheet metal cabinets / kitchen & bath / construction / hardware tools

Precision Technology：Electronics / medical / molds / new energy

Heavy Transpor：Automotive / aerospace / rail equipment

Features

Core Brand：Raycus laser + RelFar torch + S&A-temp chiller for high output, long-term stability, and industrial reliability.

4-in-1 Function：Welding / Cutting / Cleaning / Rust Removal—fast switching for flexible, efficient production.

High-Precision Welding：Small heat-affected zone, smooth welds, reducing grinding and post-processing.

Multi-Material：Stainless steel, carbon steel, aluminum; stable welding from thin to medium-thick plates.

Smart Wire Feeding：Single or dual wire ensures uniform, strong welds.

Energy-Saving & Safe：Low power consumption, touch operation, multiple protections for reliable performance.

Specification

System & Power	Rated Input Voltage	220V,1Φ, 50/60Hz	Welding Performance	Torch Brand	RelFar
	Rated Input Power	16KW		Wobble Scan Type	Dual Oscillating Welding Head
	Max Power Consumption	< 8.5KW		Wobble Type	— ○ ∞ ⧖ ◎ △
	Control System	RelFar System		Energy Storage Welding Mode	-
	Functional Mode	Welding / Cutting / Cleaning / Rust Removal		Wobble Length / Width	0~5mm
	Control Interface	7-inch Touch Screen		Cable Length	10M
Laser Performance	Laser Source Brand	Raycus		Torch Weight	≤ 1.0kg
	Fiber Connector	QBH	Wire Feeding	Wire Feeder	Single / Dual (optional)
	Rated Laser Output Power	2000W ±50		Wire Diameter	0.8/1.0/1.2/1.6mm
	Output Laser Wavelength	1080±5 nm	Cooling	Chiller Brand	S&A
	Operation Mode	Continuous / Pulse / Spot		Cooling Method	Dual-temp dual-control water cooling
	Safety Certification	CE		Assist Gas	Argon / Nitrogen
	Laser Safety Class	Class 4		Gas Input Pressure	≤1.0Mpa

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