

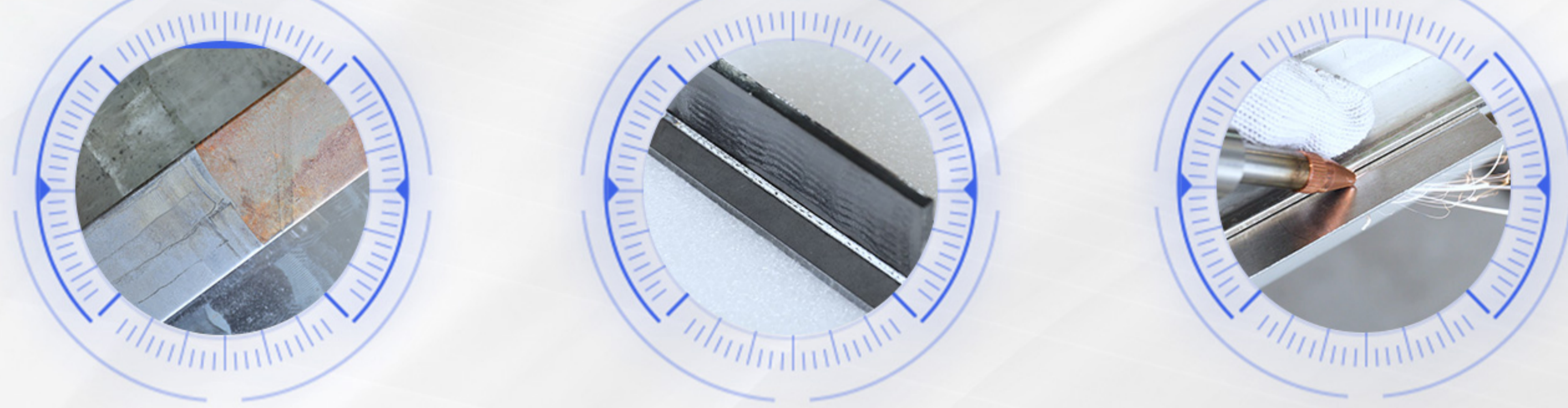
LCW-series

Handheld Laser Welding & Cleaning System



Welding and Cleaning Dual Use

Small size and light weight, easy to learn, only a few hours for beginners to get started.
Realize the three functions of cleaning, welding and cutting at the same time uses the power of your laser for pre and post weld cleaning.



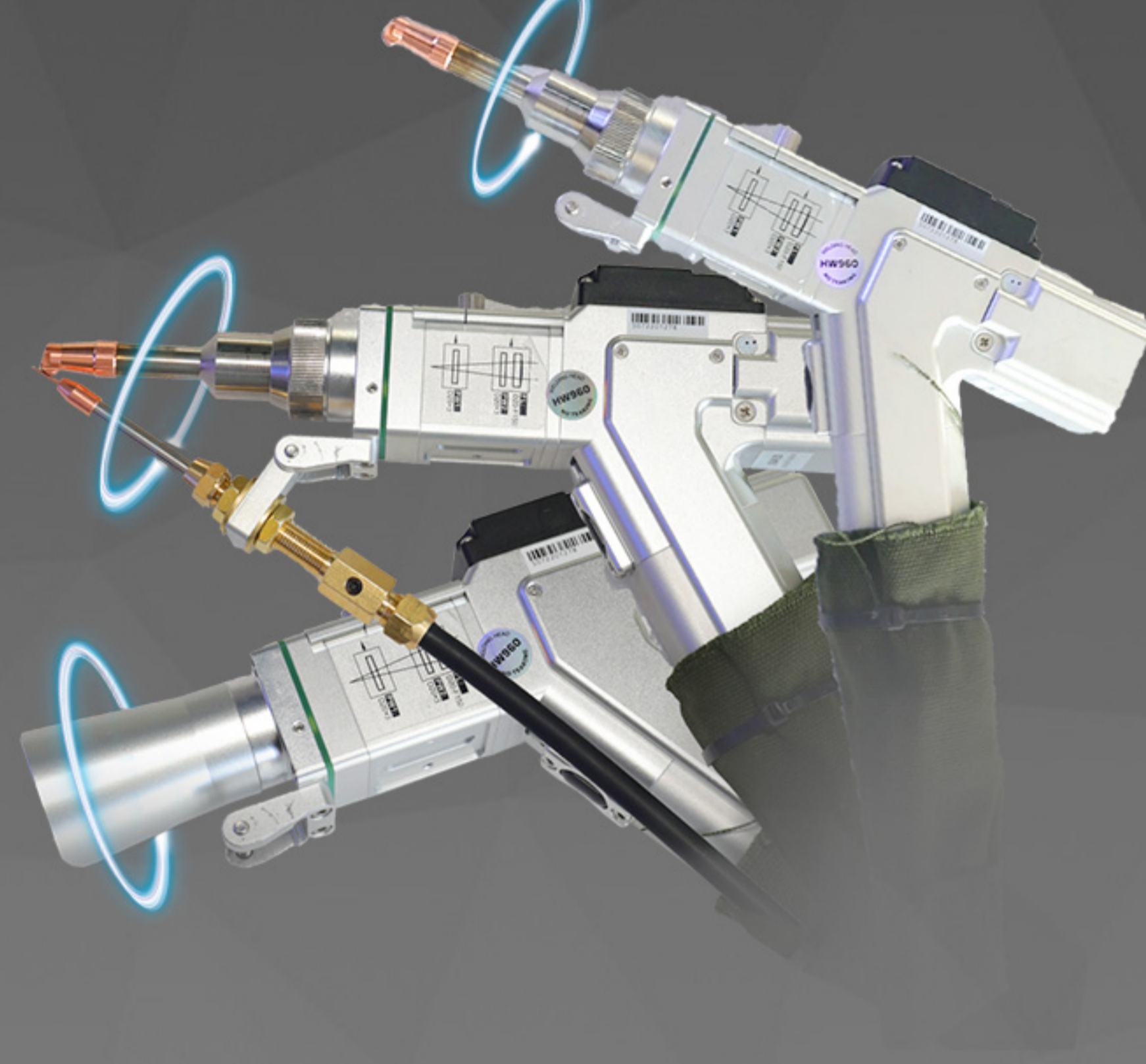
Intelligent Operating System

Adopt touch screen design, easy and quick to click and set, with real-time fault reading, feedback and alarm functions.
There is a process parameter library, which can realize the rapid storage and recall of cleaning process parameters.
Remote controller at the welder side for multi-parameters adjustment. Save time and effort, easy to operate.



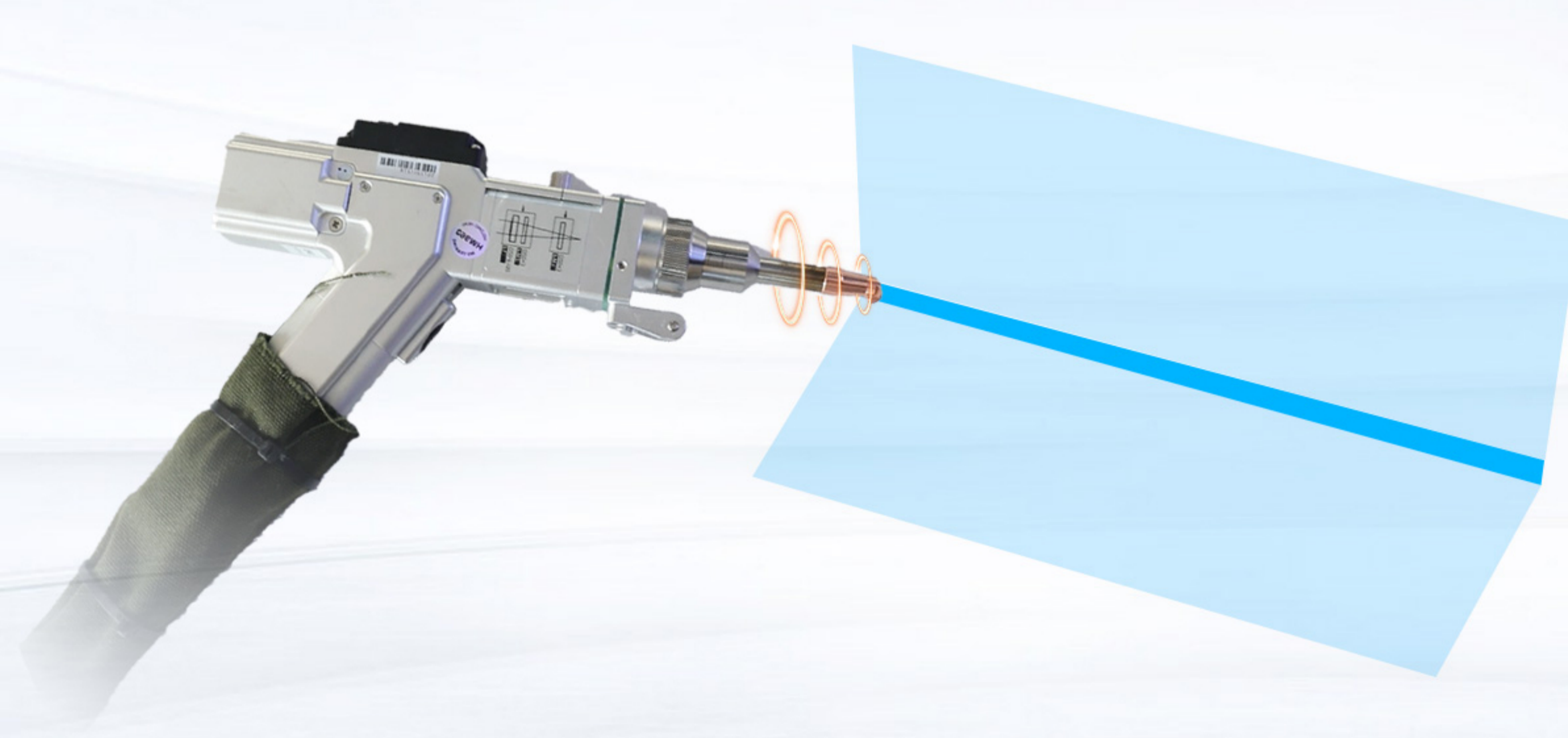
Au3tech Laser Welding & Cleaning Head

Dual protective windows design, protect the focusing lens from dust contamination



Various welding methods

The welding seam is smooth and beautiful, and the welding quality is good. It can realize spot welding, continuous spot welding, fish scale welding, full welding, and continuous full welding.



Wire Feeding Package As Gift

- Used for low carbon steel, stainless steel, aluminum and non-ferrous metals and alloys
- Wire feed speed range 40 – 600 cm/min (15 - 230 ipm)
Wire diameter capacity 0.8, 1.0, 1.2 and 1.6 mm (0.035"- 0.063")
- Package includes wire feed unit, electrical connections, nozzle assembly and software



Industry Applications

Laser cleaning and welding machine can remove the object surface resin, the paint, the oil pollution, stains, dirt, rust, and oxide coatings. Can weld iron, aluminum alloy, stainless steel and other materials

PRODUCT PARAMETERS

Machine Model	LCW Series Laser Welding & Cleaning System
Laser power	1000W 1500W 2000W (optional)
laser wave length	1064nm
Fiber length	Standard10M / Maximum 15M
W0	0~120 mm/s
Cooling chiller	Industrial water chiller
Working environment temperature range	15~35 ℃
Welding thickness recommendations	0.5-3mm
working voltage	220 V
	0-80mm
Cleaning parameters	600mm

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