

# Hand Held Laser Welder



## FEATURES :

- \* **Multi Function -**  
**Welding, Cleaning and Cutting**
- \* **Light Weight**
- \* **Beautiful Weld Quality**
- \* **Stable Performance**
- \* **Time Saving -**  
**Efficient and Easy Opeartion**



# Indus Arc Handheld Laser Welding Machine



## Handheld Laser Welding Machine

The handheld laser welding machine adopts fiber to transmit high energy and density laser, it's flexible and convenient to operate by welding the stainless steel, aluminum alloy and other materials by using the hand held welding machine.

The single-module CW fiber laser source has excellent beam quality based on modular design and water-cooling method, the system is highly integrated, the laser power is continuously adjustable, highly reliable and free of maintenance.

Hand-held welding machine is integrated with fiber lasers, handheld welding head, laser control system, safety light extraction system and water cooling system. The overall design is small, beautiful, and portable, which make it easy for customers to choose their working environment without space limitation.

This set of machine can be widely used in Precision sheet metal fabrication, Flexible Bellows welding, Kitchen equipment, metal door frames, SS enclosures, water bottles, sanitary ware and mold repair industries.



## Parameter

Machine Parameter		Handheld laser welding head parameter		Control panel parameter	
Laser power	800 W	Collimating Focal Length	60 mm	Control Mode	CW
	1000 W	Focusing Focal Length	150 mm		Pulse
	1500 W	Feeding fiber core diameter	50 $\mu$ m		Modulated
	2000 W	Beam movement	Fixed	Tuning range of output power	10-100%
Wavelength	1080 nm		Wobble	Modulation rate	0-20 KHz
Beam quality $M^2$	2.8	Wobble range (optional)	$\pm 6$ mm	Safety loop	Laser stops as soon as welding head leaves working piece
Short-term power instability	$\pm 1\%$	Wobble frequency (optional)	0-200 Hz		
Feeding fiber cable length	15 m	Cooling method	Water	Protective gas	Ar, N <sub>2</sub> , He



## Applications Laser welding, Stainless steel, Aluminium welding, GI and Precision sheet metal welding



The picture and the technical parameter are just for reference. These are subject to actual products as and when updated

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