

Characteristic

DC220V	Amp 7/10A
Power 1500W 2000W	Fiber Optic Cable: 33/66FT
Weight: 480Lbs	Warranty 2 Years



Key Features

- Three Functions in One: Laser Welding, Cutting, and Cleaning
- High Power 1500W Laser: Ensures deep penetration and strong welding results with an adjustable power range from 10 to 100%
- Ergonomic Handheld Design: Lightweight and easy to maneuver
- User-Friendly Touch Interface: Intuitive controls with adjustable power settings
- Minimal Heat Distortion: Reduces material warping for high-quality finishes
- Water Cooling System: Ensures efficient heat dissipation for prolonged usage
- Safety Features: Includes protective shielding eyewear, and an emergency stop button
- Joint Types: Outer corner, inside corner, overlapping and wire welding
- Protective gas: Argon, Helium, Co2, and Nitrogen
- Up to 30% photoelectric conversion rate
- Materials: Stainless steel, galvanized steel, carbon steel, aluminum and brass

Welding Penetration

Power	Stainless Steel	Galvanized Steel	Carbon Steel	Aluminum	Brass	Fiber Optic Cable	Amp
1500W	3mm	3mm	3mm	2mm	2mm	33FT	7A
2000W	4mm	4mm	4mm	3mm	2mm	33/66FT	10A

** Auto Wire Feeding 0.8-1.6 Wire

**Cutting Thickness: 2mm



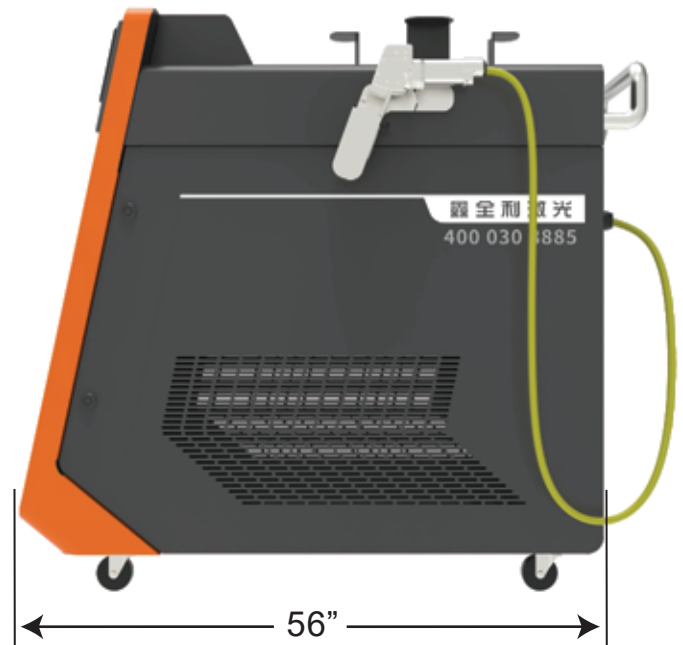
Technical Parameters

Operating Mode	Spot Width	Operating Temp.	Laser Wavelength	Spot Mode	Red Light Output Power	Wobble Frequency
- Weld - Cut - Clean	Adjustable 0.1-5(mm)	10-40(°C)	1080nm	- Spot - Line	0.5-1(MW)	0-300 (Hz)

*Fiber Core Diameter: 25/50 (um)

*Protective Gas: Argon, Helium, Co2, and Nitrogen.

Physical Dimensions



Dimension (47" x 22" x 56")

Weight 480 Lbs

Application







Laser Welding	Stainless Steel, Carbon, Steel, aluminum, brass, titanium, and copper
Laser Cutting	Thin metal sheets, steel, aluminum, and alloys.
Laser Cleaning	Rust, paint, oxidation, and surface contaminants from metal surfaces.

Critical Component

Handheld Laser Welding Head

The gun body is light and flexible making maintenance and use safer.

*** Cooper Nozzles Accessories**

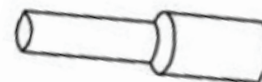
Nozzles	Model N°	Function	Wire (mm)	Type
	AS-12	Feeding use	<ul style="list-style-type: none"> ◦ 0.8 ◦ 1.0 ◦ 1.2 	<ul style="list-style-type: none"> ◦ Butt ◦ Tee ◦ Corner Joint
	BS-16	Feeding use	<ul style="list-style-type: none"> ◦ 1.6 	<ul style="list-style-type: none"> ◦ Butt ◦ Tee ◦ Corner Joint
	CS-12	Feeding use	<ul style="list-style-type: none"> ◦ 0.8 ◦ 1.0 ◦ 1.2 	<ul style="list-style-type: none"> ◦ Outside Corner
	ES-12	Feeding use	<ul style="list-style-type: none"> ◦ 0.8 ◦ 1.0 ◦ 1.2 	<ul style="list-style-type: none"> ◦ Thin material outside corner
	FS-16	Feeding use	<ul style="list-style-type: none"> ◦ 1.6 	<ul style="list-style-type: none"> ◦ Outside corner
	C	No Feeding (Welding without wire)	-	<ul style="list-style-type: none"> ◦ Outside corner

*** Cutting Nozzles**



(For cutting use only)
Single Layer 1.5mm

*** Scale Tube**



Critical Component

Fiber Optical Cable

The standard 32.8 Ft optical fiber cable supports 15-20 meters (optional), which can realize ultra-long-distance welding operation, which is flexible & convenient.

Welding Laser System

Multi-language operation interface, touch operation, fast and efficient, the finer the adjustment parameters, the better the welding effect.

Laser Generator

High stability, power saving & basically maintenance-free, can effectively reduce the cost of equipment use.

Wire Feeder

Welding wire specifications are optional, 0.8/1.0/1.2/1.6mm are suitable for various welding seams to meet various welding needs.

Water Tank

With water flow protection, water temperature protection and other functions, the anti-condensation effect is good, and the service life of the equipment is extended.

Consumables

- Wire Welding
- Laser Welding Glasses
- Protective Lens Replacement
- Cooper Handheld Laser Welding Head