AIR-COOLED

Handheld Fiber Laser Welder

with Dual Wire Feeder

- **Wire feeder, welder, and gas in one station**
- **Rolls on its own cart**
- **Works nonstop from −4 °F to 104 °F (−20 °C to 40 °C)**

The two wire feeders work one at a time or together, so the welder handles both thin sheet and thick plate.



1500 W or 2000 W Laser power	**0.47 in (12 mm)** Maximum weld thickness, dual wire	**Air-cooled** Cooling	**220 V ±10%** 60 Hz AC

Technical specifications

Specification	1500 W	2000 W
Laser wavelength	1064 nm	
Operating mode	Continuous or modulated	
Fiber cable length	33 ft (10 m); custom lengths available	
Fiber core diameter	50 µm (0.002 in)	
Power adjustment range	10–100%	
Shielding gas	Nitrogen or argon	
Materials	Carbon steel, stainless steel, galvanized sheet, aluminum, and more	
Power supply	220 V ±10%, 60 Hz AC	
Welding speed	0–4.7 in/s (0–120 mm/s)	
Weld bead width	0.04–0.31 in (1–8 mm)	
Welding thickness, single wire	0.02–0.24 in (0.5–6 mm)	0.02–0.31 in (0.5–8 mm)
Cooling	Air-cooled	
Dimensions (L × W × H)	33.5 × 15.7 × 46.1 in (85 × 40 × 117 cm)	
Weight	207 lb (94 kg): laser 97 lb, feeder 37 lb, cart 73 lb	238 lb (108 kg): laser 106 lb, feeder 60 lb, cart 73 lb

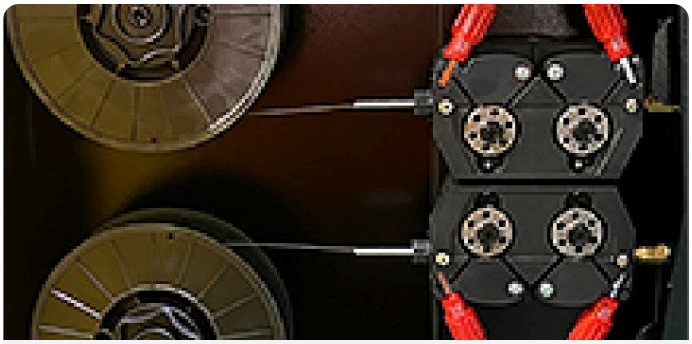
With the dual wire feeder, the 2000 W model welds up to 0.47 in (12 mm). See the single wire and dual wire comparison. Specifications may change without notice.

Features



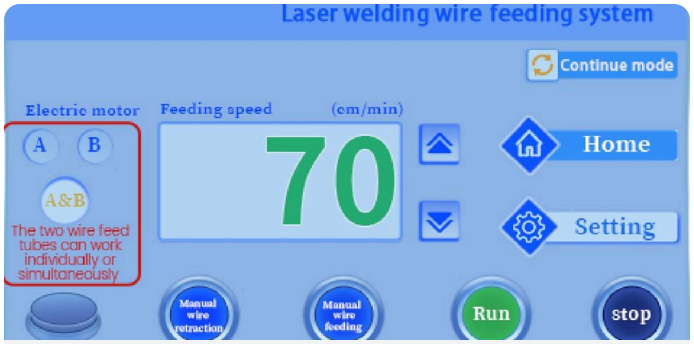
Up to 0.47 in (12 mm) with two wires

With the dual wire feeder, the 2000 W model welds material up to 0.47 in (12 mm) thick.



Dual wire feeder

Each wire has its own two-roller drive. Feed one wire, or both at the same time or one after the other.



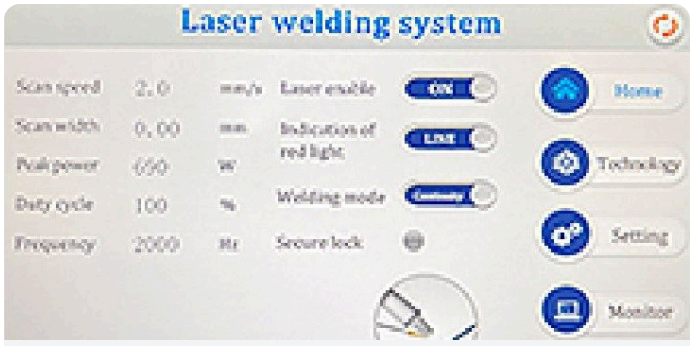
One-touch wire selection

The touchscreen switches between wire A, wire B, or both, and sets the feed speed.



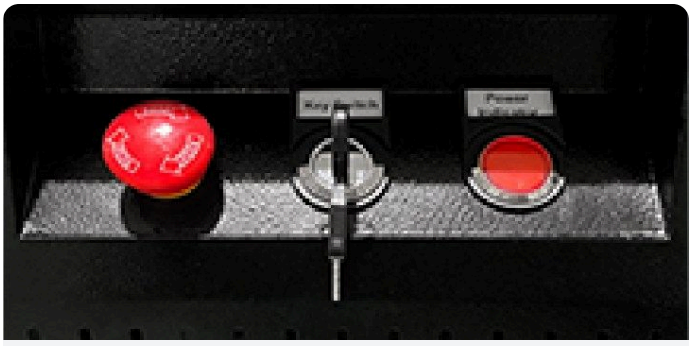
Aluminum alloy welding head

Weighs 1.5 lb (0.7 kg). Dustproof, with temperature sensing and an alarm at several points inside the head.



Control system

Four adjustment modes and quick recall of saved settings.



Recessed operation panel

Emergency stop, key switch, and power button set into the cabinet to prevent accidental presses.

Single wire or dual wire

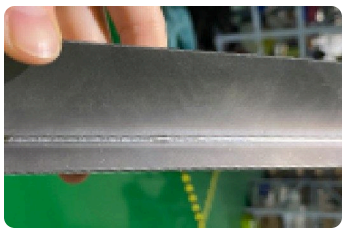


Single wire



Dual wire

	Single wire	Dual wire
Maximum welding thickness (2000 W)	0.31 in (8 mm)	0.47 in (12 mm)
Welding speed, 0.04 in (1 mm) stainless steel	3.9 ft/min (1.2 m/min)	8.2 ft/min (2.5 m/min)
Penetration, carbon steel, same power	0.12 in (3 mm)	0.24 in (6 mm)
Gas consumption	32 CFH (15 L/min)	38 CFH (18 L/min)
Wire diameters	0.031, 0.039, 0.047, 0.063 in (0.8, 1.0, 1.2, 1.6 mm)	0.047, 0.063, 0.079 in (1.2, 1.6, 2.0 mm)
Operating mode	Single wire	Single or dual wire
Best for	Easy-to-control single wire feed for all kinds of sheet-metal work and standard production	Wide gaps, deep bevels, and both thin and thick plate; very flexible



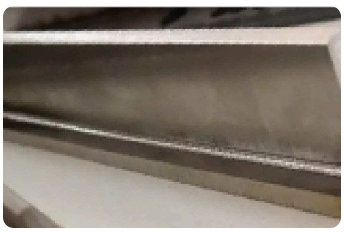
Single wire



Single wire



Dual wire



Dual wire

Weld samples



Applications

Sheet-metal parts, signs, commercial kitchen equipment, stoves, grill carts, food carts, doors, windows, frames, metal furniture, lamp covers, electrical enclosures, fire boxes, and pipes. Materials include carbon steel, stainless steel, galvanized sheet, and aluminum.