

Laser welding

1) the weld is smooth and beautiful, the weld workpiece has no deformation, the weld is firm, and no Subsequent grinding process is required, saving time and cost.

Fast welding speed, 2~10 times faster than traditional welding.

2) Easy operating do not require any training

Welding seam beautiful smooth and beautiful, don't need polish, save your time

No deformation or welding scar, welding the workpiece firmly.

3) easy maintenance

Laser welding has less consumption and long service life. Safer, more environmentally friendly.

4) Wildly used in kitchen and bathroom cabinet, stair lift, shelf, oven, stainless steel door and window

Guardrail, distribution box, stainless steel home.

Laser cleaning

1) Laser Rust Removal: Laser light can easily remove rust, after removal, the surface is restored to a bright metallic color or restore the original base color.

2) Laser Oil Removal: Metal surface oil cleaning (can remove oxide layer at the same time)

3) Laser Color Removal: removes various colors including Auto Duco on various surfaces and cars

4) stripping plating (galvanized layer, aluminized layer, protective plating, etc.)

5) Removal of aluminum alloy, titanium alloy, copper alloy oxide layer

6) Pre-Weld Pretreatments: After laser cleaning pretreats the aluminum alloy, the welding porosity defects are effectively suppressed

7) Post-weld cleaning: Non-Contact NDT removal of post-weld oxide layer and slag residue

8) Aluminum alloy pulsed laser remove dirt and oxide film before welding

4 In 1 Welder Laser Soldering Machine Combo Laser Metal Cleaning Key Features

1. Three working modes, welding + cutting + cleaning. Simple switching, just need to replace the copper nozzle, switch the system

2. About fiber cable length

Default length is 10m, if you have other needs, we support shortening or lengthening.

3. Auxiliary gas: nitrogen or argon

If the sweat surface effect is required to be white and bright, nitrogen or argon is required

If there is no requirement for the welding surface, add compressed air freeze Dryer, air is OK.

4. Via wire feeder

It is the machine default configuration, we will send them together with the whole machine.

5. Machine warranty: 2 years

reci

4 IN 1 Handheld laser

★ Welding+Cutting+Cleaning+Weld seam cleaning

★ HW980 handgun with display screen

★ Hanli Industrial water chiller

★ RECI 1500W laser source

★ NO TAX&VAT to EU/RU/US

★ 3-7 days shipping





1. Auto Wire Feeder

- Light, small and convenient ;
- Industrial-grade high-speed microprocessor ;
- Strong anti-interference ability ;
- Stable performance, and easy operation ;
- Automatic memory storage, overload protection ;

2. RECI Laser Source

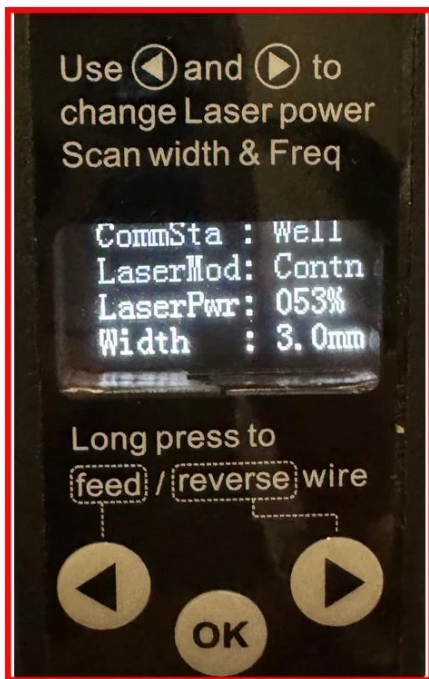
- High average power: up to 1500W;
- Good beam quality ;
- The output fiber length is customizable ;
- High electro-optic conversion efficiency;
- Long Service Life: The service life of fiber laser exceeds 100,000+ hours.



SCHYTJ-1500

3. Hanli Water chiller

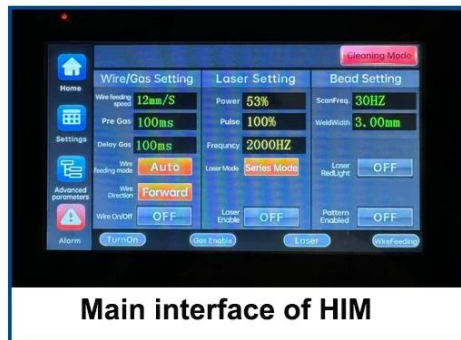
- Double temperature controls
- Efficiency and environmental protection;
- Temperature control accuracy $\pm 1^{\circ}\text{C}$;
- High cooling rate, which can weld fine weld; structure and good joint performance!



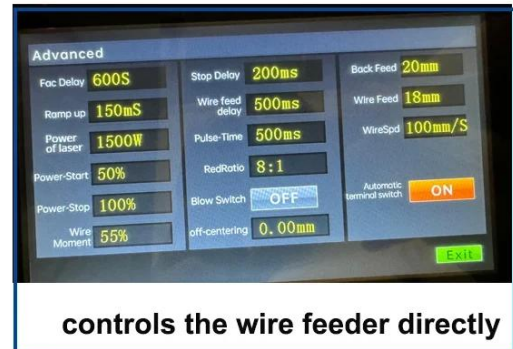
Handheld Welding Gun With Display Screen

- Spot / Continuous Switching
- Setting Laser Power Parameters
- Setting Scan Width
- Setting Wire Feeding Speed
- Language Switching
- Setting Spotting Time

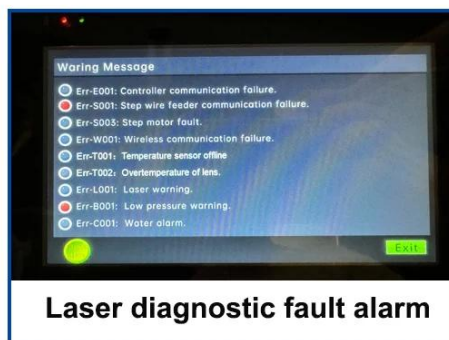
Intelligent Operation Syetem



Main interface of HIM



controls the wire feeder directly



Laser diagnostic fault alarm



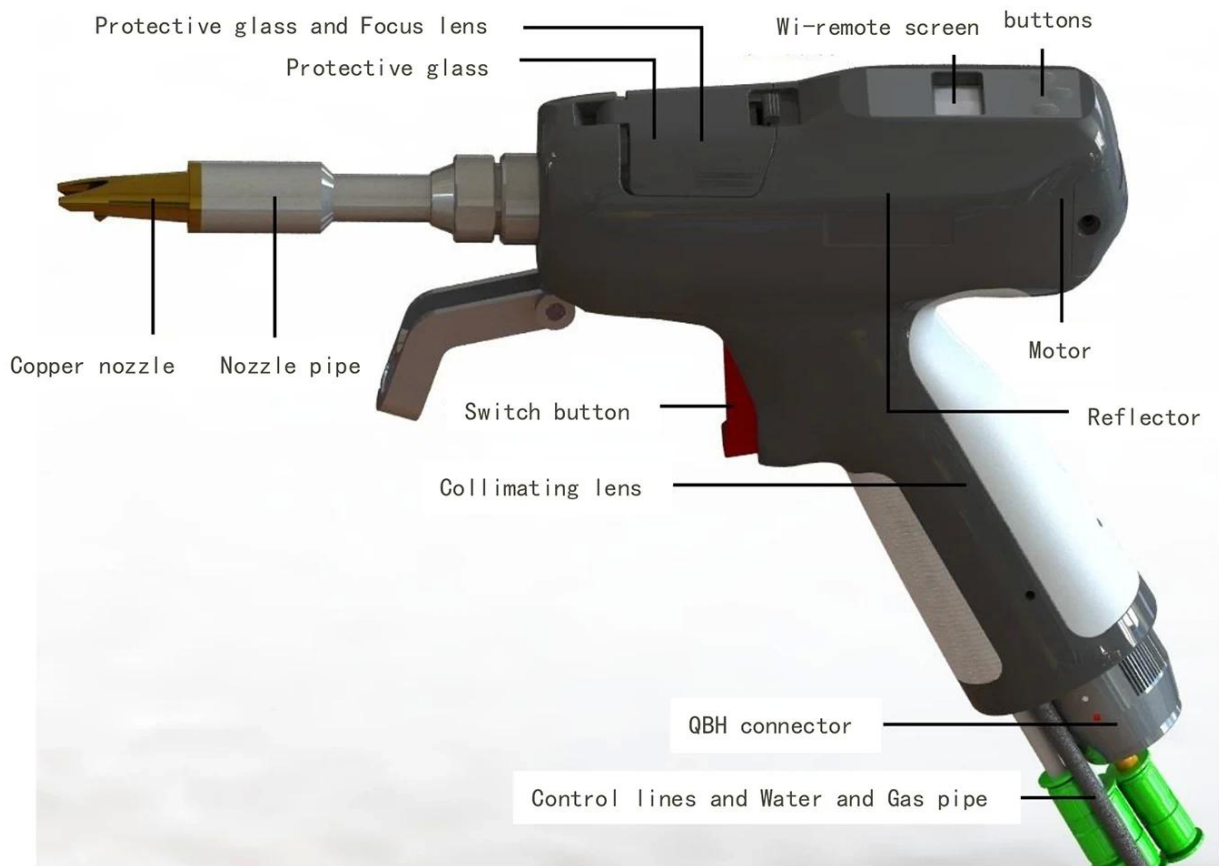
Optional spot welding, continuous welding mode



33 sets of processes



25 Language Switch



Product Highlights

- Cool appearance, ergonomic design, comfortable to grip
- Adjustable spot size, high welding firmness, beautiful lines
- Welding head control module, quick adjustment of parameters, one button to complete wire feeding or rewinding
- The light spot can be adjusted to the center position
- Selection of high-quality precision optical components, excellent and stable beam quality
- Compact structure design, high dustproof level

LASER WELDING MACHINE

IS MORE FASTER, EASY TO OPERATION, HELP
YOU SAVE 2-5 PROFESSIONAL WELDERS ONE YEAR

LASER WELDING MACHINE		VS	TRADITIONAL WELDING MACHINE	
Speed	Faster			Slow
Heat input	Less			More
Workpiece deformation	Less			More
Weld shape	Smooth			Fish-scale pattern
Subsequent processing	Easy			Difficulty
Operation	Very easy			Difficulty
Welder requirements	No professional required			Must be professional

Six Advantages



Suitable for a
variety of materials



Zero experience
can be easily welded.



Multiple welding
methods



Welding efficiency



Cost savings



Flexible and convenient

Product configuration

HW980 handheld fiber laser welding head is mainly used for plane processing applications within 3000W, and has very high versatile. Standard configuration model: HW980-Z50-F150.

Configuration parameter

Parameter name	Technical index
Maximum applicable laser power	3000W
Optical fiber interface type	QBH
Focus lens specifications (welding)	Dia=20mm, F=150mm
Collimating lens specifications	Dia=20mm, F=50mm
Maximum clear aperture diameter	16mm
Laser wavelength	1064nm
Welding head weight	≤600g
Maximum external size of welding head (width)	42mm
Nozzle size	Outer diameter 12mm, tolerance -0.02mm to -0.04mm, length 80mm

6 Safety Settings

LASER



1.Laser Swtich



2.Emergency Swtich

Laser Mode

Series Mode

Laser
Enable

OFF

3.Laser Disable Swtich



4.Air Swtich



5.Welding Gun Swtich



6.Safe Ground Wire Clamp

3 Protective Welding Equipment



OD7
protective mask



protective gloves



OD7
protective glasses

4 IN 1 Function

