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## Introduction

LWF1000-HLW laser welding machine is a 1000-watt fiber laser handheld welding machine, using an integrated design, compact and beautiful structure, with good beam mode, energy stability, stable performance, reliable use, welding speed, wide range of welding, consumables and consumables long service life and so on, a wide range of applications.

## Features

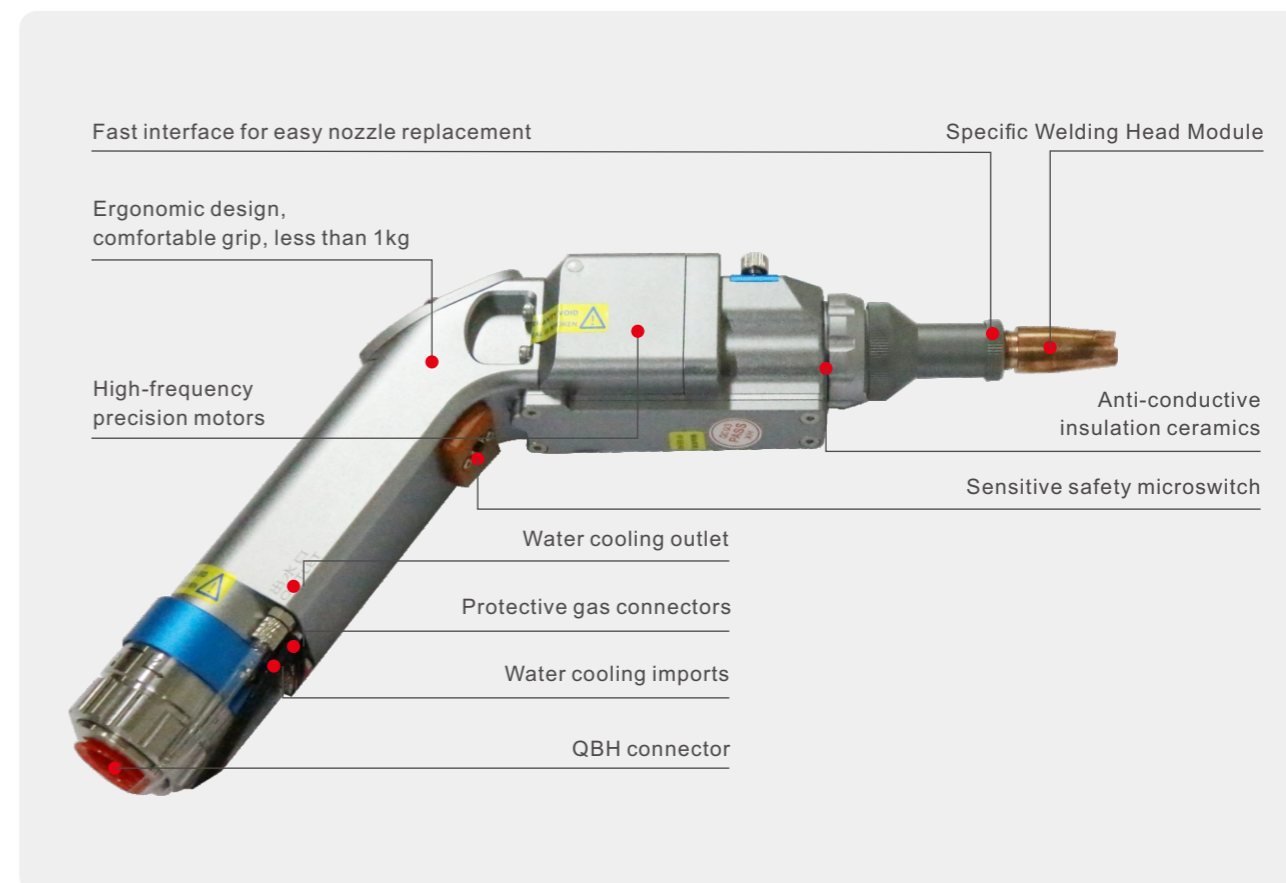
- Widely using in industrial hardware manufacture, product like-Cabinet kitchen Tool Cabine, Elevator & Stair, Home based Metal Furniture and so on, a good alternative solution to traditional arc welding.
- The interior parts is in compact design.
- System with smart multiple alerts to guide for trouble shooting, automatic beam lock-up when no welding target attached in high security.
- A variety of angle nozzles choice to ensure the welding quality fits different applications.

## Parameters

| Model             | LWF1000-HLW               |   |
|-------------------|---------------------------|---|
| Light-road system | Machine body              | Cabinet   |
|                   | Conduction type           | Fiber   |
|                   | System power supply       | AC380V/50Hz   |
|                   | Wavelength                | 1080nm  |
|                   | Power                     | 1000W   |
|                   | Frequency                 | 50-5kHz   |
|                   | Output focal length       | 120mm   |
|                   | Cooling method            | Water cooling   |
|                   | Fiber length              | 15M   |
|                   | Port                      | 1 way gas (Select nitrogen, argon or compressed air according to process requirements.) |
| Others            | Power consumption         | ≤ 6KW   |
|                   | Air pressure requirements | 4-6Bar  |
|                   | Electricity demand        | AC380V 50Hz 60A   |

## Welding heads Introduction

Welding head is widely used in stair elevators, shelves, ovens, stainless steel door and window guardrails, distribution boxes, stainless steel home and other industries complex irregular welding process;



## Samples



- Bathroom accessories
- Motor rotors
- Hardware doors and windows
- Sinks
- smoke exhaust ventilator