

# DM Handled fiber laser welder



## Product Description

Laser welding a high efficient precision welding method which is in the use of high energy density laser beam as a heat source . Laser welding is one of the important aspects of laser processing technology. Laser radiates and heats the workpiece surface, The surface heat diffuses to the inside through heat conduction, Then the laser makes the workpiece melting and form the specific welding pool by controlling the laser pulse width,

energy, peak power and repetition frequency. Due to its unique advantages, it has been successfully applied to the precise welding for micro parts and small parts.

Laser welding is fusing welding technology, laser welder puts laser beam as the energy source, and make it impact on the weldment joints to realize welding .

## Parameter

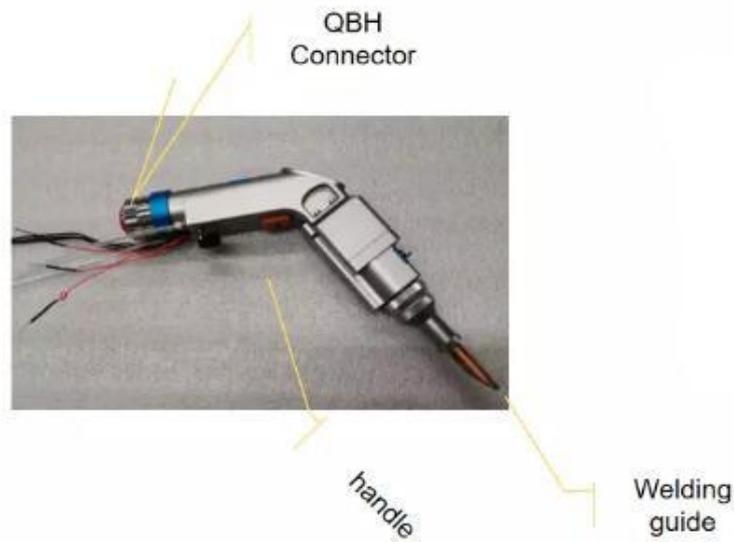
Laser source	Reci
Laser power	1000W/1500W
Laser incidence	Coaxial
Laser Wavelength	1080
Collimated focal length	50mm
Focusing focal length	100mm
Operating Voltage	AC220V 50Hz
Cross Power	≤5000W
Gas Source	0.2Mpa(Argon,Nitrogen)
Cooling Style	Water cooling
Handle	Aluminum hand-held,light and easy to master
Weave length	1080nm±5
Power stability	± 1.5%
Laser repetition frequency	50-50,000Hz
Beam quality	$m^2 \leq 1.3$
Red light indicates output power	0.1-1mW
Fuber Core Diameter	25 $\mu\text{m}$
Output cable length	10m
Operating Mode	continuously
Interface Type	QBH



## Features

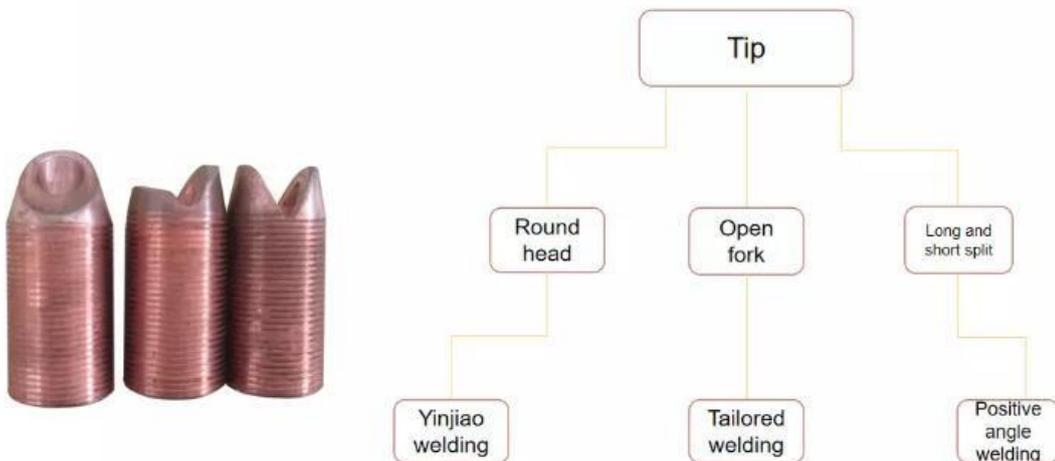
- 1, the electro-optic conversion efficiency is high.
- 2, anti-high-reaction ability.
- 3, thin plate welding is efficient.
- 4, thick plate deep melting without splash.
- 4, the output fiber length can be customized.
- 5, water cooling is more stable.
- 6, maintenance-free operation.
- 7, wide modulation frequency range.

## Product Details



The custom welding head is designed with the body engineering design method, fully considering the comfort of the customer for long-term use, and has the protective measures of the butt welding material to prevent the customer from accidentally injuring others, It is easy to install with drawer type protective lens, and it is convenient for customers to carry out maintenance. At the same time, nozzles with different angles can be configured to meet the needs of customers to weld different products.

### Handheld soldering tip introduction







## Samples

