



**Riselaser**

深圳市华升激光科技有限公司  
SHENZHEN RISELASER TECHNOLOGY CO., LTD

## Fiber Transmitting Laser Welding Machine for Metal

### Main Advantages

Laser welding is to irradiate a high energy density laser beam on two parts of the material, so that the local heating melt, and then cooling and solidification into one. Compared with traditional welding technology, laser welding has the following advantages:

#### 1. Precise positioning

Optical fiber laser welding machine is equipped with CCD camera monitoring system, which is convenient to observe, and can precisely locate by spot in micro-welding.

#### 2. Uniform weld spot

The spot energy distribution of optical fiber laser welding machine is uniform, and it has the best spot needed for welding characteristics.

#### 3. Suitable for all kinds of weld's screams

Fiber laser welding machine adapts to all kinds of complex welds, spot welding of various devices, and welding seams of thin plates within 1mm. It has fast welding speed, large depth and small deformation.

#### 4. Batch & Mass Production

Optical fiber laser welding machine can customize special automatic fixture to realize mass production of products.

#### 5. Corrosion Resistance and High Temperature Resistance

Fiber laser welding machine uses ceramic concentrator, which can be welded at room temperature under special conditions, such as vacuum or through glass materials, and has simple equipment, corrosion resistance and high temperature.



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## Parameters

Laser Power	YF-F1000W
Center Wavelength	1070+-5nm
Out Power Stability	2%
Laser Frequency	50Hz-5KHz
Adjustable Power Range	5-95%
Beam Quality	1.1
Optimal Operating Environment Temperature	10-35 ° C
Humidity	20% -80%
Electricity Demand	AC220V
Output Fiber Length	10
Cooling Method	Water Cooling
Cooling Water Temperature	20-25 ° C

## Product Application

Laser Welding Machine is widely used in mobile phone battery shell, electronic components, mobile communication, precision equipment, hardware products, automotive accessories, glasses, clocks, jewelry, medical equipment, thermal cups, wine pots, kitchens and other industries.



## FAQ

### Q1. How to select the suitable machine?

Tell us your material, detail requirements by words, pictures or video.

We will recommend you the suitable model with the reasonable price.

### Q2. How about the lead time?

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For the standard machine, the delivery time is 3-7 days after the payment.

For the non-standard machine, the delivery time is 7-15 days after the payment.

**Q3. How to install and use it?**

We have the instruction Book, Operational manual and Training Video inside the machine.

We also can provide the training on line by free.

**Q4. How to do it if we meet the issue during the operation?**

You can send the wrong information to us by mail, we can help us solve it by mail.

phone, or video communication.

**Q5. If we want to learn how to operate the machine, Can you provide it?**

Yes, we can. We can provide the on line training by video. We also provide free training course in our company.

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