



**Riselas**

深圳市华升激光科技有限公司

SHENZHEN RISELASER TECHNOLOGY CO., LTD

## Handheld Fiber Transmission Welder 500W

### Product Description

High speed, high efficiency, deep, small deformation, small heat effect area, high welding quality, pollution free welding spot.

Jewelry laser welder is mainly used in perforating and spot welding of white gold, platinum, carbon steel. The spot welding process is thermal conduction, i.e. the laser radiation heats the surface of work piece, and the surface heat diffuses to the interior through thermal conduction and melts the work piece by controlling the width, energy, peak power and repeating frequency of laser pulse to form specific molten pool.



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### The Main Technical Features

- Output power 50W-500W continuously adjustable, adjustment accuracy better than 0.5%
- All functions are controlled by software, highly integrated
- High stability, output power fluctuations <3% at full load
- With red light guiding function
- Easy to operate, maintenance free

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Website: [www.riselas.com](http://www.riselas.com)      [www.shdlaser.com](http://www.shdlaser.com)

Address: Building A4, Meiyang Fenghuang Zhihui Innovation Park, No. 3, Fenghuang Xingye 3rd Road, Fuyong Street, Baoan District, Shenzhen, China 518103



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### The main parameters

Parameter	Technical Indicators	Unit
Center Wavelength	1080±5	nm
Average Output Power	500	W
Operating Mode	CW	
Maximum Modulation Frequency	1-5	KHZ
Output Power Stability	<3%	
Red Light	yes	
Beam Quality	2.1-2.7	m <sup>2</sup>
Operating Voltage	220	VAC
Power Adjustment Range	10%-100%	
Power Consumption	5000	W
Cooling Method	water cooling	1P
Output Fiber Length	10	m
Weight	<110	kg

### Our Service

#### (1) Pre-sale service

1. According to customer requirement, we provide you with the relevant professional technology information (including the specification, machine pictures, working videos, manual) and test samples by our machines.

2. Welcome to visit our company, we will let our engineer do marking or welding on samples. Seeing is believing, and it is better for future business.

3. We offer a reasonable price for mutual win-win cooperation.

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(2) Sale service

1. We will make a working video and take pictures to customers for confirmation before delivery (within 15 days after receiving the total payment).
2. Machine will be packed into the standard wooden cartons, suitable for vessel or air transport, and marked the universal label, shipping marks.
3. Send customers commercial invoice, packing list, BL or AWB sheet, optional CO or FF or FTA or SASO for customer custom clearance.

(3) After-sale service

1. Warranty and Service included:

- a. Hardware: one year warranty;
- b. Software: whole life on update for free.
- c. Maintenance and technological support: whole life.

2. Training:

- a. 3--4 days free training for the whole system in Seller's company.
- b. If customer needs our technician give the training abroad, the customer need charge for the transportation and accommodation fees of engineer;  
Including: how to set up the equipment; how to debug the light route; how to use the software and operate the equipment; how to replace the bad material and spare parts, etc; how to maintain the equipment; how to estimate and settle the problem, and analysis the reason.

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