



Riselaser

深圳市华升激光科技有限公司

SHENZHEN RISELASER TECHNOLOGY CO., LTD

Portable Handheld Metal Fiber Laser Welding Machine



Technical Parameters

Model	RL-F1000
Laser Wavelength	1060nm
Laser Maximum Power	1000W
Total Power Consumption	8KW <16KW / <18KW
Min line width	≤0.15mm
Cooling System	Water Cooling
Continuous working time	24 Hours
Environment temperature	0-35°C
Power requirements	380V/3 Phases /50Hz or 60Hz(220V/ Single Phase/50 or 60Hz)

Product Description

Laser welding machines are widely used in cell phone battery shells, electronic parts, mobile communications, precision equipment, hardware products, auto parts, glasses, watches, jewelry, medical equipment, vacuum flasks, hip flasks, kitchens and other industries. The hand-held welding gun replaces the previously fixed optical path, and the welding method is handheld, flexible and convenient, and the welding distance is longer, which overcomes the limitation of the workbench space. This is a relatively flexible new welding process for welding large workpieces over long distances.

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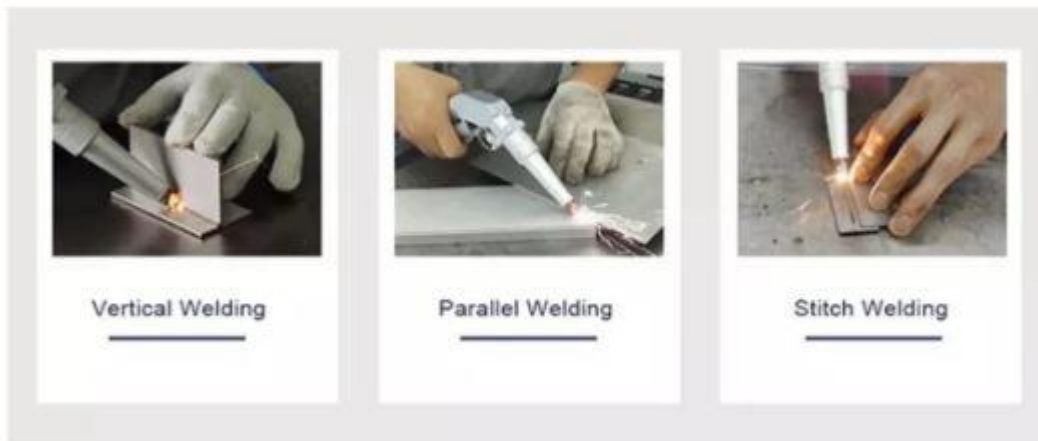
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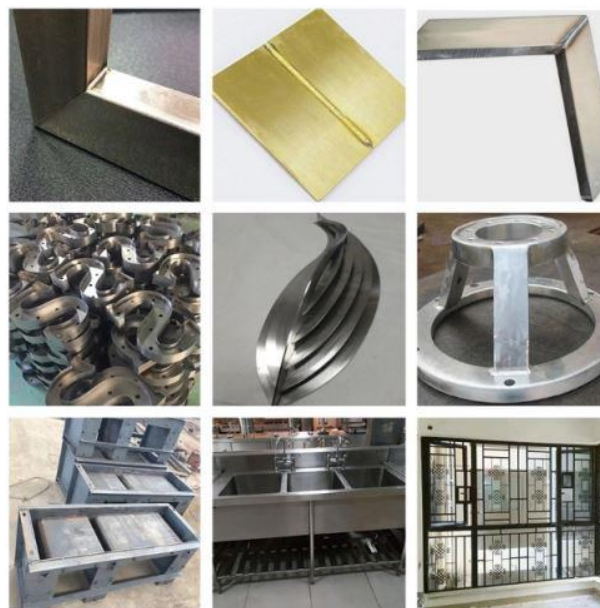
Advantages

1. This machine adopts 1000 watt fiber laser, which is of high electro-optical conversion efficiency and long laser life;
2. The whole machine has low energy consumption, maintenance-free, high stability, can save users a lot of processing costs;
3. GOOD beam quality, fast welding speed, large depth-width ratio, small taper, high precision, the welding is fine and firm and the welding seam is smooth and flat.
4. Pulse width and power are adjustable, support continuous welding and spot welding, suitable for different processing needs;

Welding inductions



Welding Samples



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Riselaser
Certification

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Exhibition



FAQ

1. What are the main functions of this laser welding machine?

It can take the place of traditional argon arc welding and brazing. It can weld stainless steel, iron plate, galvanized plate, copper plate, aluminum alloy plate and other metal materials.

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2. What are the advantages of laser welding?

Laser welding has no requirements for technicians, it is quick to get started, there is no heat deformation after welding, and it can be used without polishing and grinding.

3. Does the laser welding machine need a computer?

No extra computer is required. There is a control screen. On the top, three parameters are set. CUR(current) : laser power; WID(pulse width): lasting time the laser stays on the material, and FRE(welding frequency): the welding speed. There is no high demand for personnel, and it can be used after simple training.

4. 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.

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