

1KW 1.5KW 2KW 3KW Handheld Laser Welding Machine



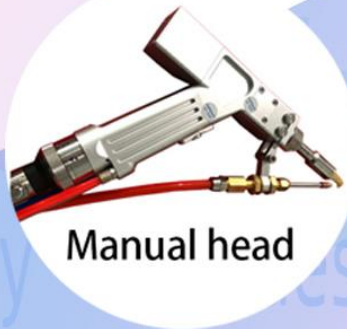
The laser optical cable length:10 meters

Handheld Laser Machine Advantages

- 1.Portable,easy operation. No need having experience worker.
- 2.High accuracy, the welding spot diameter can be 0.3mm-2mm ;
- 3.Weld penetration can be 2mm , more stable than traditional YAG laser welder;
- 4.Handheld welding, laser head can turn around 360 degrees.



Easy welding from any angle



Manual head

Learn to operate the machine in 3 minutes

Handheld laser welding machine

One machine is equivalent to five welders



WECHAT : milen77520

Technical specifications

Model/Power	1KW	1.5KW	2KW/3KW
Max energy of single pulse	100J	110J	120J
Laser Type	CW Continuous Laser		
Model	HW-MY-H1000		
Laser wavelength	1064nm		
Laser welding frequency	1000HZ		
Laser spot diameter	0.4-2 mm		
Weld penetration	0.1~3mm		
Power can be adjustable	5%~100%		
Pulse width	1ms		
Power Supply	220V±10%/50-60HZ	220V±10%/50-60HZ	380V±10%/50-60HZ
Power Consumption	2.5KW	3KW	5KW
Cooling water flow	15L/min		
Weight	240KG	260KG	310KG
Cooling Way	Water cooling		
Chiller's water	Deionized water		
Protective gas	Nitrogen gas		
Protective gas pressure	12~14 MPa		

Which power machine you should choose:

1000W power Handheld welding system					
Materials	Stainless steel	Carbon steel	Aluminium	Brass	Red copper
Thickness-mm					
0.5	Weld OK	Weld OK			
0.8	Weld OK	Weld OK			
1	Weld OK	Weld OK			
1.5	Weld OK	Weld OK			
2	Weld OK	Weld OK			
2.5	Weld OK	Weld OK			
3		Weld OK			
1500W					
Materials	Stainless steel	Carbon steel	Aluminium	Brass	Red copper
Thickness-mm					
0.5	Weld OK	Weld OK	Weld OK	Weld OK	Weld OK
0.8	Weld OK	Weld OK	Weld OK	Weld OK	Weld OK
1	Weld OK	Weld OK	Weld OK	Weld OK	
1.5	Weld OK	Weld OK	Weld OK	Weld OK	
2	Weld OK	Weld OK	Weld OK	Weld OK	
2.5	Weld OK	Weld OK	Weld OK		
3	Weld OK	Weld OK	Weld OK		
3.5	Weld OK	Weld OK			
4		Weld OK			

Main parts:

Main parts:	Brand Details:
Laser source	Fiber laser source ,Max,Raycus or IPG
Handheld gun/Laser head	Made in China
Cooling chiller	Made in China
Welding software	Made in China

Machine parts:



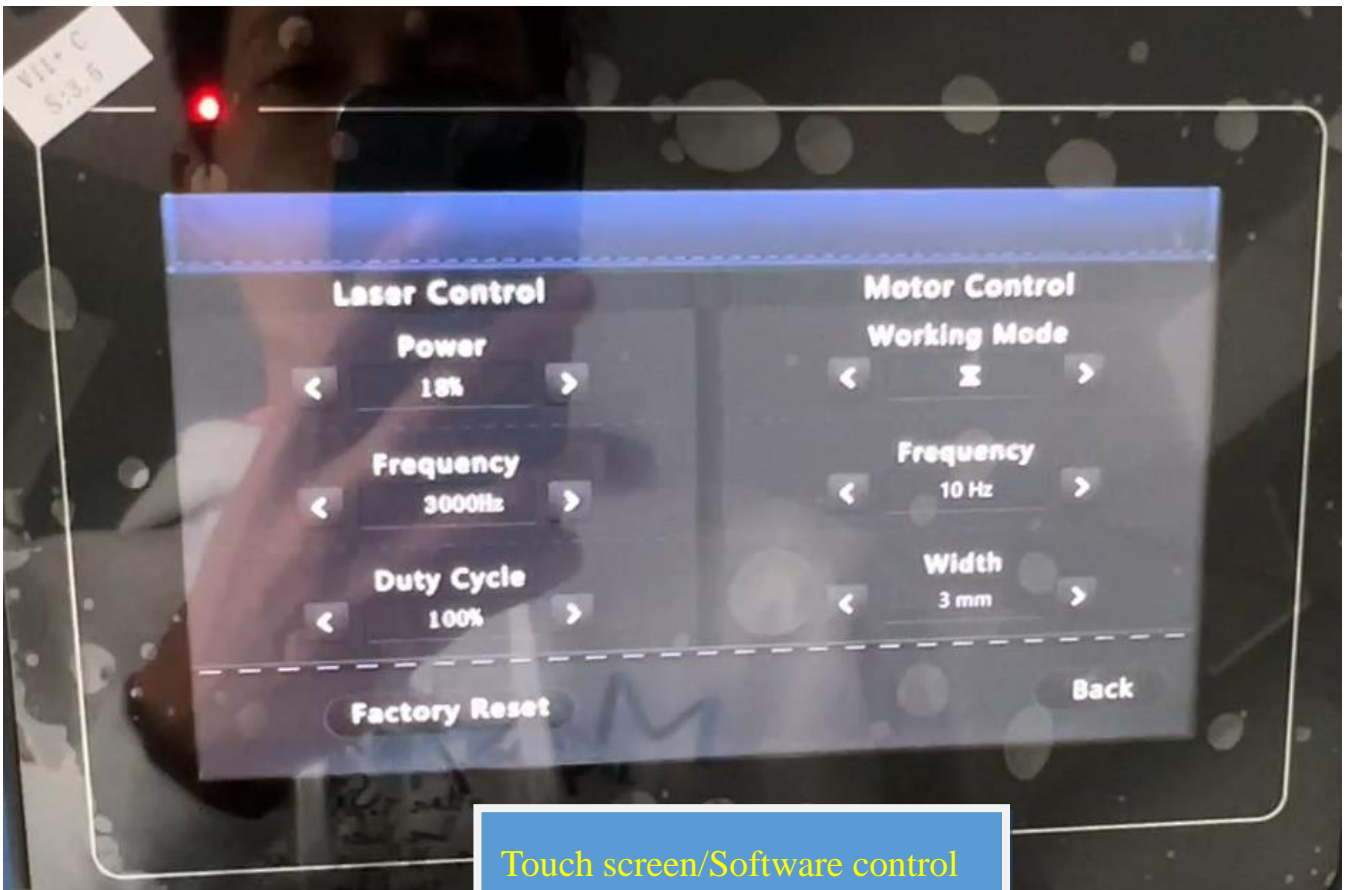
The whole machine



Wobble head



Wires feeding machine



Touch screen/Software control



Touch Screen

Fiber Laser Source

Water cooling chiller

1KW~2KW Chiller install inside the machine cabinet.
3KW Chiller install outside the machine cabinet.

Machine pictures



Machine size,weight:

L*W*H:700*900*1300mm 220kg

Packing in wooden case:



Payment Terms:

30% Deposit with Order.



70% Balance payment before shipment.



Machine warranty time: One year

The Laser source (main part) warranty time:



After-sales service terms

- 1. One year warranty and lifetime maintenance;

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2. Free training in our factory;
3. The first year, when machine failure is a quality problem, free maintenance, free parts send to customers.
4. The service does not include human or environmental factors、 customer's fault.



Delivery time: 8 working days after payment

Consumable parts:

1.  Deionized water. \implies [Fill in the water chiller](18L)

2.  Protective lens. [Install on welding head]
Per one piece lens price:6 USD

3.  Welding nozzles. [Install on welded joints]
Per one piece price:8 USD

Spare parts: (Delivery with per set machine)

1.	Protective lens	5 pcs
2.	Welding nozzles	5 pcs
3.	Protective glasses	1 pair



Video links: (Youtube)

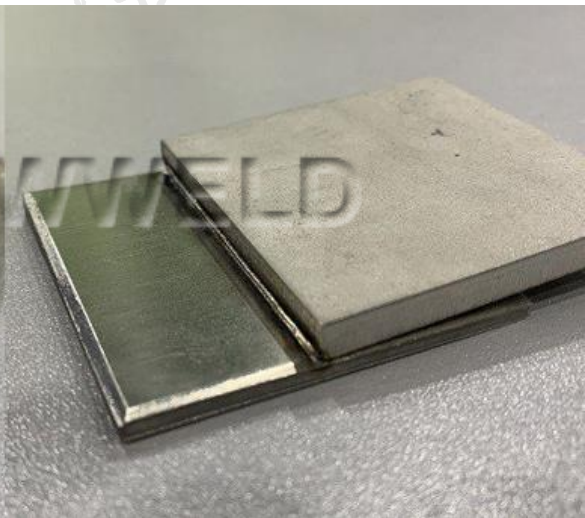
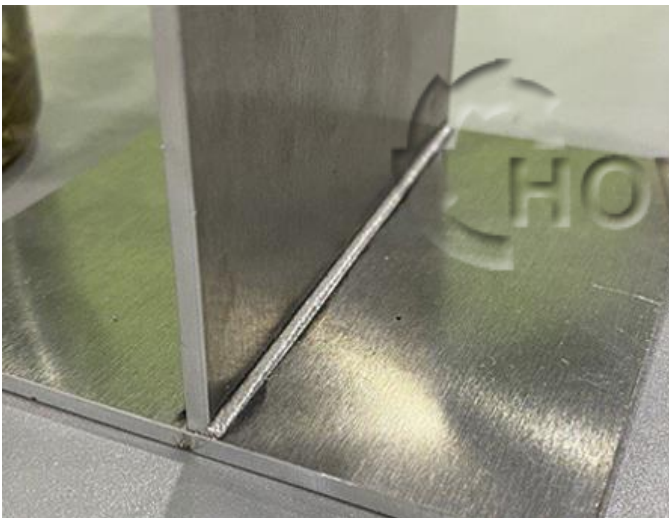
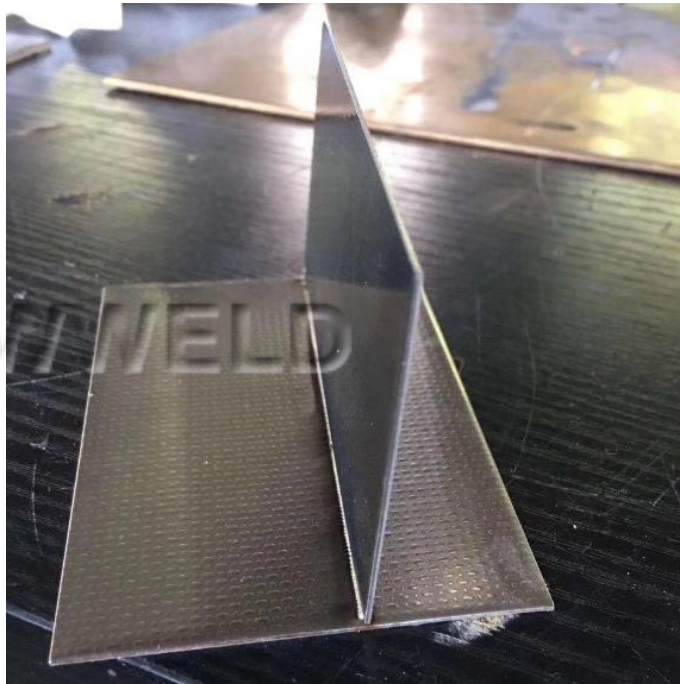
<https://youtu.be/Doof04SauEc>

<https://youtu.be/qT9WpHvvt4I>

<https://youtu.be/H5s8FCEWWKU>

Wires feeding video: https://youtu.be/Y6167BW_huk

Samples Showcase:

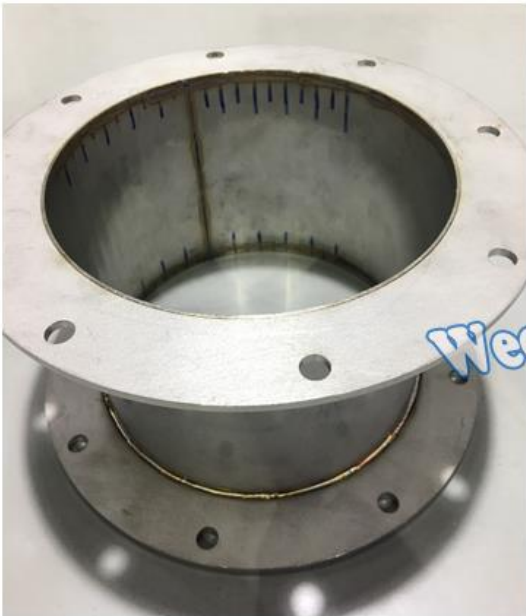
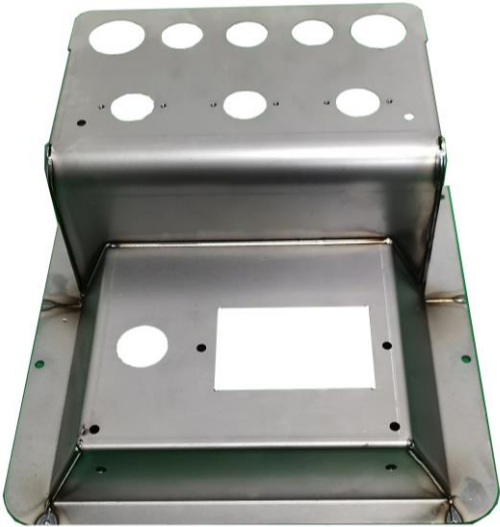


Website

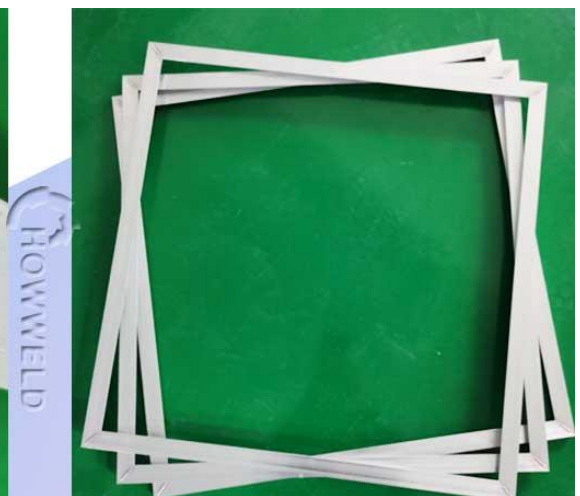
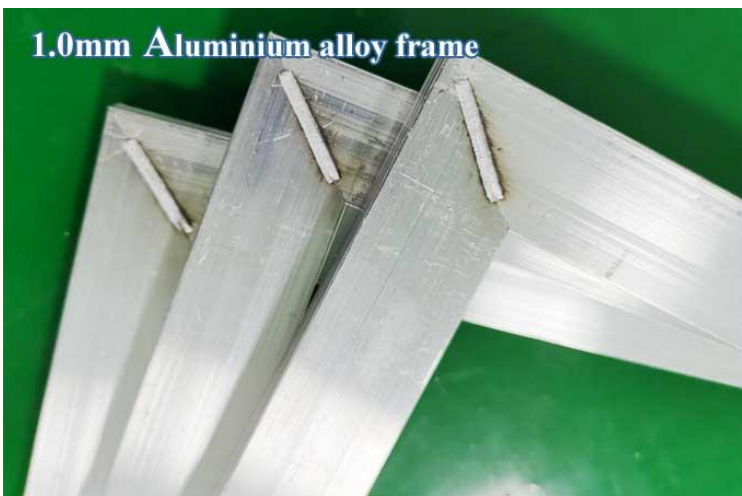


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RFQ questions

1. How long time can the machine use for?



Normal working time From Monday to Friday, 8-10 hours everyday, the machine can use for longer to 7~10 years.

2. What kind of consumables?



Protective lens. One piece can use for more than 1 month.

3. What metal materials can weld? How much thickness can weld?

Stainless steel, carbon steel, aluminum sheet, galvanized plate, cold plate material, below 1mm copper sheets.

1000w power machine can weld max 2.5mm stainless steel.

1500w can weld 3.5mm thickness SS.

2000w can weld 6mm maximum SS.

3000w can weld 4mm aluminum alloy.

Why our price higher than other supplier?

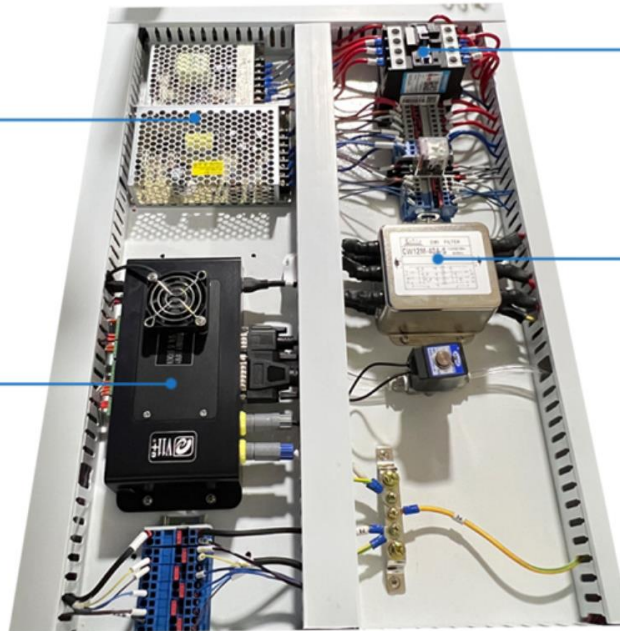
Firstly, compare with other manufacturers price, please compare which kind of parts install into the machine.

The luminous point 1: we install a filter to provide stronger anti-interference ability, more stable during laser welding.



Stable power supply
Low-voltage power supply

Stable circuit, longer service life
AC contactor&Electric relay



Welding control card
Integrated, lightweight, easy to install

Filter:
Stronger anti-interference ability,
more stable during laser welding



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