

MHJ-E Series

Handheld Fiber Laser Welding Machine

Average output power

1000W / 1500W / 2000W



Handheld lightweight and flexible



High efficiency and good results



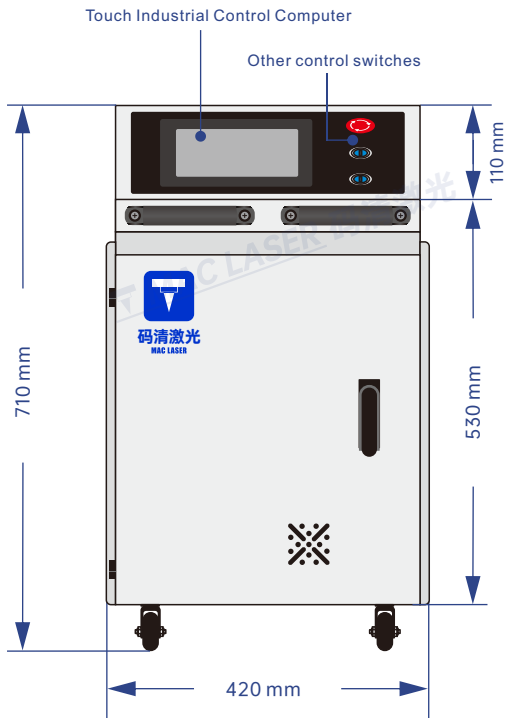
Model Introduction

PRODUCT DESCRIPTION

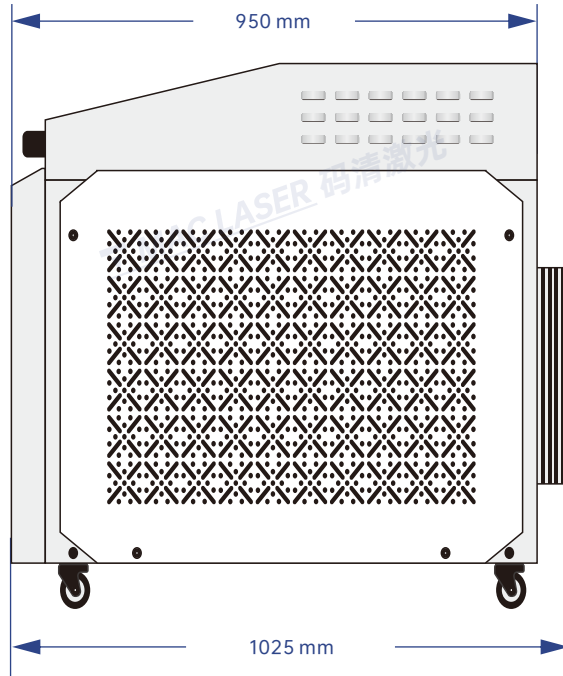
MHJ-E series handheld laser welding machine is a new generation of laser welding products, its laser is chosen by the Keplin laser quality light source, the whole machine with integrated design, beautiful shape and stable performance, easy to install and simple operation, high security. It has the characteristics of fast welding speed, high efficiency, good welding effect, less welding consumables, long life and environmental protection, and can be widely used in kitchen appliances, doors and windows, stairs and elevators, stainless steel furniture, hardware sheet metal, advertising signs, craft gifts, auto repair, auto manufacturing, rail transportation and aerospace industries. Translated with www.DeepL.com/Translator (free version)

MHJ-E series handheld laser welding machine marked with wire distribution machine reduces the requirement of parts for clearance and makes the welding quality further improved. It can also be used with collaborative robots to fix the welding gun on top of the collaborative robot to reduce the operator's labor intensity and improve the welding quality of the weld seam.

Model Size PRODUCT SIZE



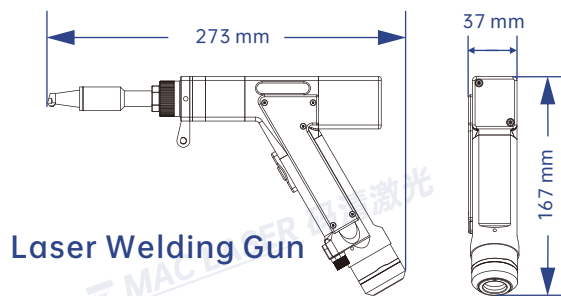
Equipment front



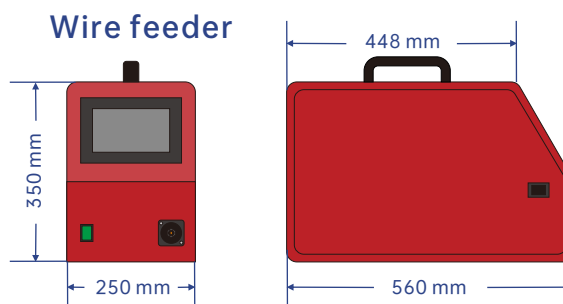
Left side of the device



Back of the device



Laser Welding Gun



Wire feeder

Model Features PRODUCT FEATURES

- Internal design dexterity, good interactive control system, expanded tolerance range of processed parts and weld width, solved the disadvantage of small spot and better weld formation.
- Lightweight modeling, body engineering design method, comfortable grip; easy to control with one hand, easy to operate.
- High security with multiple security alarms and automatic light locking when the workpiece is moved away.
- Beautiful welds, fast, no consumables, no weld marks, no discoloration, no need for post-polishing.
- Can be configured with multiple angle nozzles to meet different product welding needs.

Model Parameters PRODUCT PARAMETER

Model series	MHJ-E series (laser brand optional: Keplin/Reike/Tronox)		
Model series	MHJ-1000E	MHJ-1500E	MHJ-2000E
Laser Model	1000W	1500W	2000W
Output power	1000W	1500W	2000W
Laser wavelength	1080+10 nm		
Working mode	Continuous / Modulated		
Power adjustment range	10 ~ 100%		
Fiber core diameter	25 or 50		
Targeting and positioning	Red Light		
Fiber length	12 m		
Welding speed	0 ~ 120 mm/s		
Applicable thickness	< 3.5mm (depending on the material)		
Wire feeder	Standard Wire feeding speed 38~600mm/min		
Wire feeding diameter	0.8/1.0/1.2/1.6/2.0mm		
Cooling method	Water cooling		
Working Environment	10~40°C, humidity 10~85%, no condensation		
Power Rating	3.5KW	4.5KW	6KW
Operating Voltage	220±20V,AC,PE,50/60Hz		
External dimensions	1150X630X1080 mm		
Weight of the whole machine	About 180kg		

Sample Show

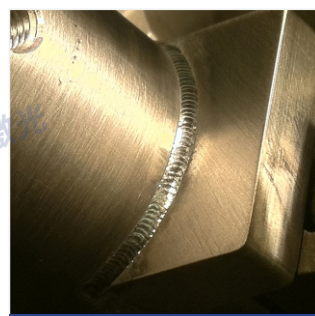
MARKING EFFECT



● Hardware Sheet Metal



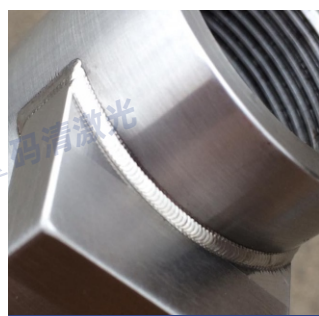
● Kitchen utensils



● Construction Machinery Parts



● Auto Parts



● Aerospace Manufacturing



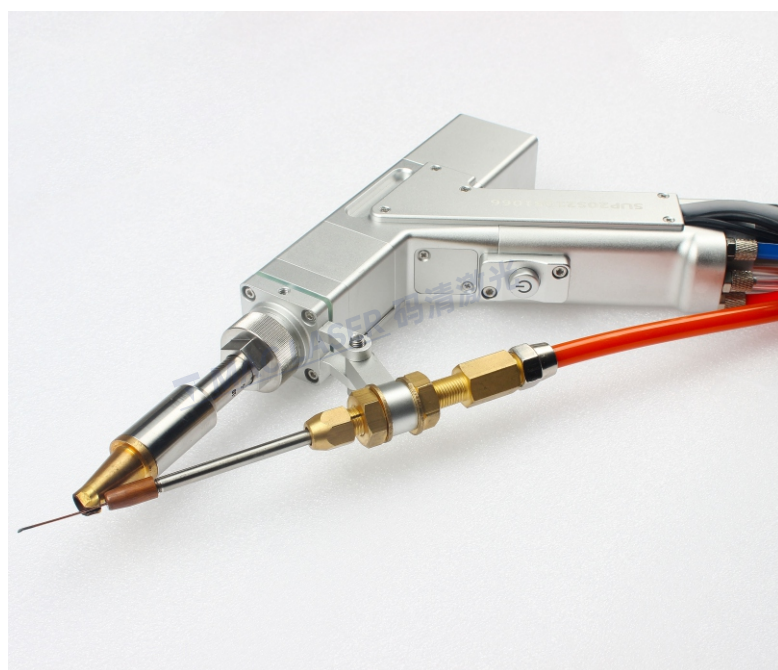
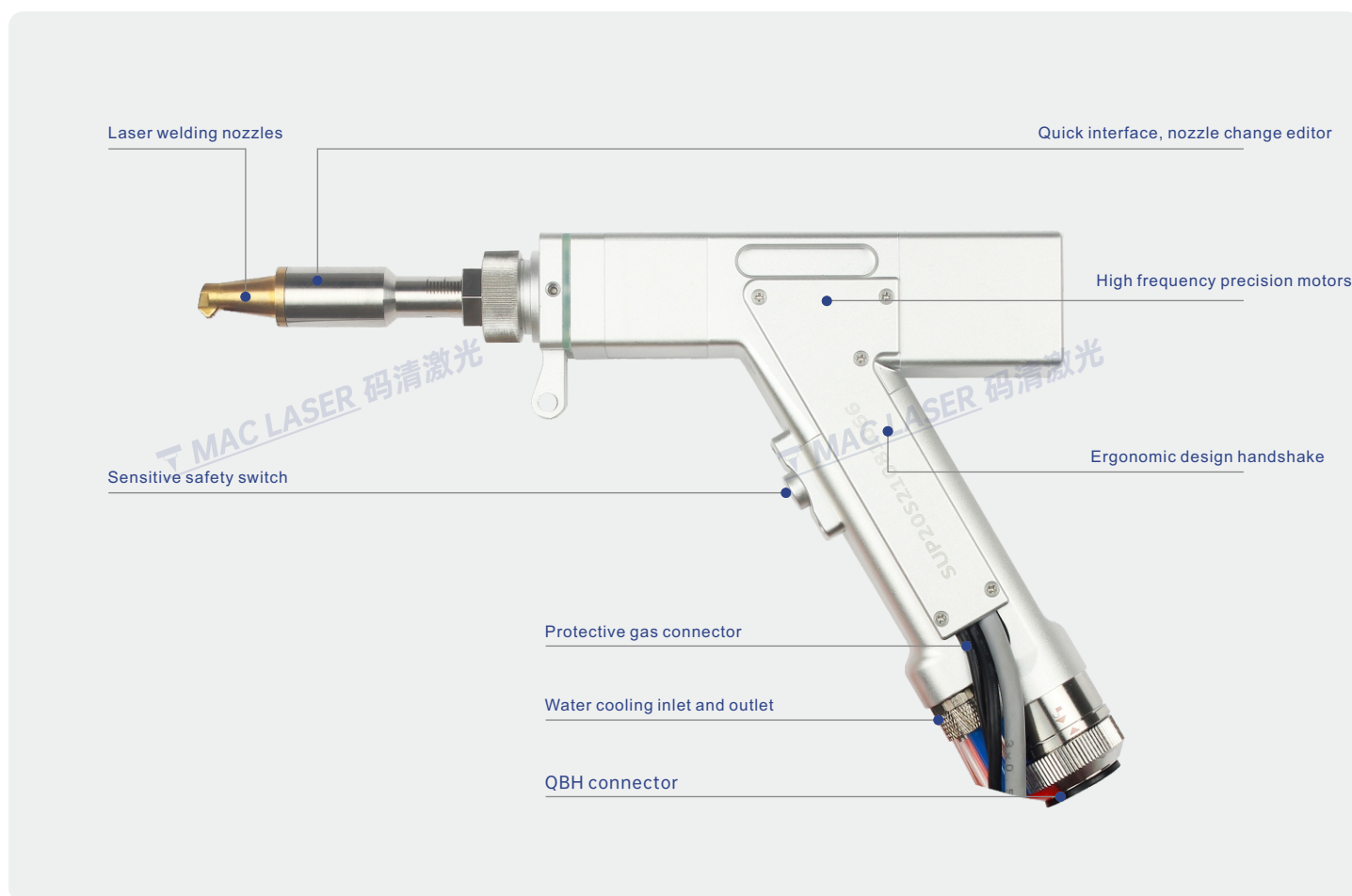
● Stainless steel furniture

Standard configuration STANDARD LAYOUT



Laser Welding Gun

LASER WELDING GUN



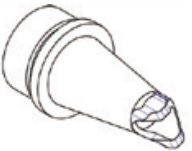
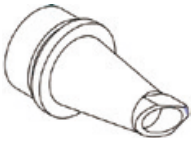
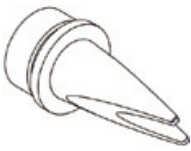
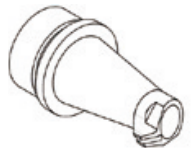
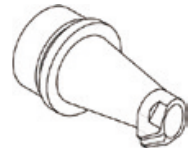
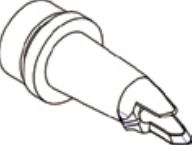
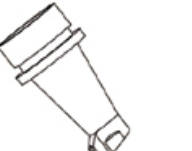


Laser welding head is widely used in the staircase elevator, shelves, ovens, stainless steel doors and windows guardrails, distribution boxes, stainless steel furniture and other

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Laser welding nozzles

LASER WELDING NOZZLE



 <p>Name : Copper mouth No : A Remarks : No silk delivery</p>	 <p>Name : Copper mouth No : B Remarks : No silk delivery</p>	 <p>Name : Copper mouth No : C Remarks : No silk delivery</p>	 <p>Name : Copper mouth No : AS-12 Remarks : Silk delivery 0.8/1.0/1.2mm</p>	 <p>Name : Copper mouth No : BS-16 Remarks : Silk delivery 1.6mm</p>
 <p>Name : Copper mouth No : CS-12 Remarks : Silk delivery 0.8/1.0/1.2mm</p>	 <p>Name : Copper mouth No : DS-12 Remarks : Silk delivery 0.8/1.0/1.2mm</p>	 <p>Name : Copper mouth No : ES-12 Remarks : Silk delivery 0.8/1.0/1.2mm</p>	 <p>Name : Copper mouth No : FS-16 Remarks : Silk delivery 1.6mm</p>	