

HLW-1500M Handheld Laser Welding



PRODUCTS DESCRIPTION

RIVCEN handheld laser welding machine adopts the latest fiber laser, equipped with self-developed wobble welding head which fills the blank in handheld laser welding field. It has simple operation, good welds, high welding speed and zero consumables. It can perfectly replace the traditional argon arc welding, electric welding and other processes while welding in thin stainless steel sheet, iron sheet, galvanized sheet and other metal materials.

KEY FEATURES

- Equipped with self-invented wobble welding head, we developed the wobble welding mode. Our products remedy the inadequacies of the traditional laser products with the alternating spot size and the high fault tolerance, obtaining a better formation of weld.
- Different welding manners with various welding heads can be realized through the simple operation.

APPLICATION

Our hand held laser welding machine can be widely used in cabinets, kitchens, staircases, elevators, racks, ovens, stainless steel doors, windows guardrail, distribution boxes, stainless steel home and other complex welding process.

TECHNICAL DATA

Item	Hand-held Laser Welding Machine
Welding Power	1500W
Laser generator	Max Or Reci
Laser wavelength	1070NM
Fiber Length	Standard:10M
Operation Mode	Continuous/Modulation Wave
Welding Speed	0~120 mm/ s
Cooling Mode	Industrial Thermostatic Water Tank
Operating Ambient Temperature	15~35 °C
Operating Ambient Humidity	< 70%RH
Welding Thickness	0.5-3mm
Welding Gap Requirements	≤0.5mm
Operating Voltage	AC220V
Machine Size(mm)	900*670*975
Machine Weight	168kg

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LASER WELDER

HLW-2000M Handheld Laser Welding



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TECHNICAL DATA

Item	Hand-held Laser Welding Machine
Welding Power	2000W
Laser generator	Max Or Reci
Laser wavelength	1070NM
Fiber Length	Standard:10M
Operation Mode	Continuous/Modulation Wave
Welding Speed	0~120 mm/ s
Cooling Mode	Industrial Thermostatic Water Tank
Operating Ambient Temperature	15~35 °C
Operating Ambient Humidity	< 70%RH
Welding Thickness	0.5-5mm
Welding Gap Requirements	≤0.5mm
Operating Voltage	AC220V
Machine Size(mm)	1050*720*975
Machine Weight	200kg

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LASER WELDER

HLW-3000M Handheld Laser Welding

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LASER WELDER



PRODUCTS DESCRIPTION

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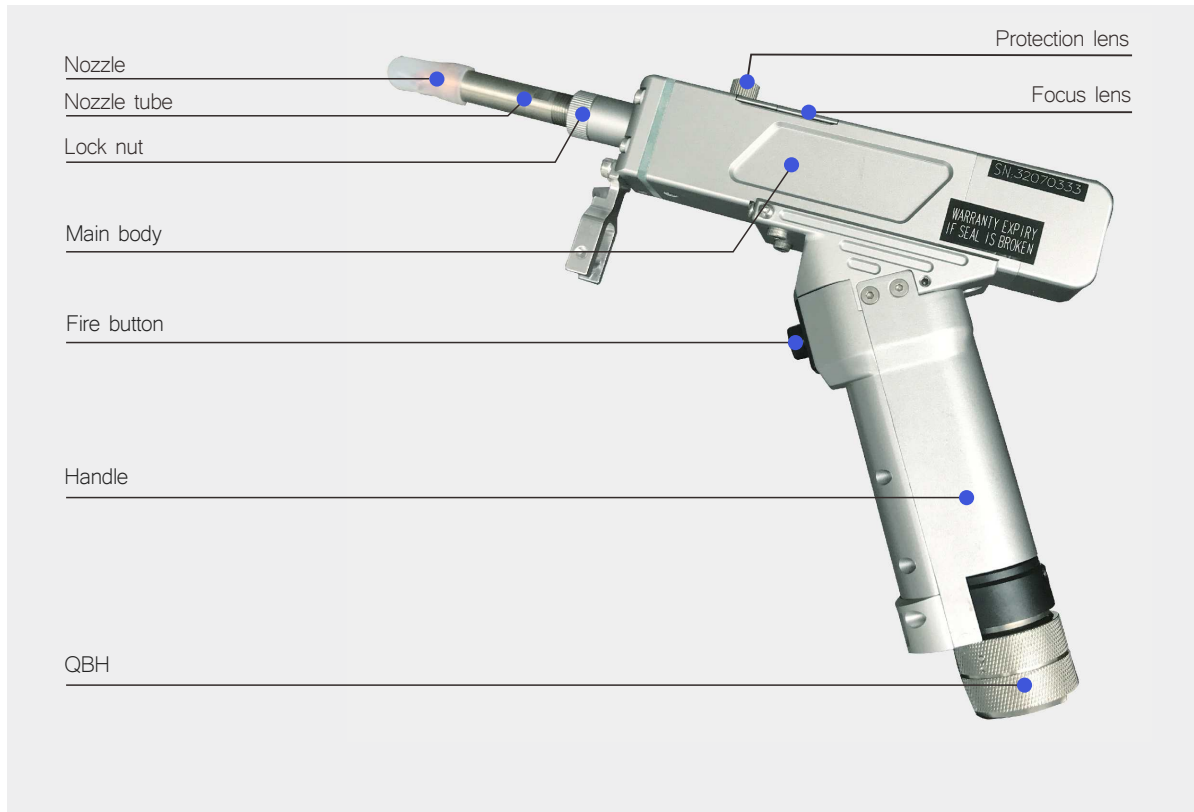
TECHNICAL DATA

Item	Hand-held Laser Welding Machine
Welding Power	3000W
Laser generator	Max Or Reci
Laser wavelength	1070NM
Fiber Length	Standard:10M
Operation Mode	Continuous/Modulation Wave
Welding Speed	0~120 mm/ s
Cooling Mode	Industrial Thermostatic Water Tank
Operating Ambient Temperature	15~35 °C
Operating Ambient Humidity	< 70%RH
Welding Thickness	1-7mm
Welding Gap Requirements	≤0.5mm
Operating Voltage	AC380V
Machine Size(mm)	1050*720*975
Machine Weight	205kg

HLW-1500M/2000M/3000M Handheld Laser Welding

HAND-HELD WELDING HEAD OF QILING BRAND

Hand-held welding head is the major component, containing focus lens, linked with optical fiber, where the laser was transmitted and focused to process work pieces.



TECHNICAL DATA

Item	Hand-held Laser Cleaning Machine
Interface	QBH
Power	1500W/2000W/3000W
Optical aperture	11mm
Wave range	0-5mm
Collimating length	50mm
Wave frequency	0-30Hz adjustment
Focus length	15
Wave mode	● —
Weight	0.75kg

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HLW-1500M/2000M/3000M Handheld Laser Welding

Power	SS	Carbon Steel	Aluminum Alloy	Galvanized Sheet
1500W	0.5-3mm	0.5-3mm	0.5-2mm	0.5-2mm
2000W	0.5-5mm	0.5-5mm	0.5-3mm	0.5-5mm
3000W	1-7mm	1-7mm	1-5mm	1-7mm

STANDARD ACCESSORIES

NO.	Description	Quantity
1	DWT20 Wire-feeder	1
2	Wire-feeding hose with 4M cable for carbon steel	1
3	Wire-feeding hose with 4M cable for aluminum	1
4	Guide wire wheel for aluminum	2
5	Nozzle	5
6	Protection lens	5
7	Protective clip connection with 11M cable	1
8	Wire feeder signal cable	1
9	Protection goggle	1
10	Key	2
11	Flash memory disk	1
12	User manual	1

SAMPLES



HLC-1500M Handheld Laser Cleaning



PRODUCTS DESCRIPTION

RIVCEN handheld laser cleaning machine adopts advanced laser cleaning technology, cleaning effect perfect, small equipment, easy to carry, saving labor and consumables costs, environmental protection and no pollution.

KEY FEATURES

- Adopt fiber laser, high photoelectric conversion efficiency
- Non-contact cleaning, no damage to the workpiece
- Cleaning is very fast, no dead corner cleaning
- Selective cleaning, precise cleaning
- Simple operation, power on and use
- High work efficiency, no consumables, low maintenance cost
- No chemicals, very environmentally friendly

APPLICATION

Hand held laser cleaning machine can be widely used in rust, oxides, oil, scale, paint, carbon deposits, petroleum products, adhesive and electroplated coatings, organic contaminants, rubber, wire insulation, film coatings, radioactive contamination, etc.

TECHNICAL DATA

Item	Hand-held Laser Welding Machine
Welding Power	1500W
Laser wavelength	1064NM
Fiber Length	Standard:10M
Cleaning width	0-300mm
Cooling Method	Water cooling
Operating Temperature	5~40 °C
Gas Air Pressure	0.5-0.8MPa
Auxiliary Gas	Compressed Air
Operating Voltage	AC220V 50/60HZ
Machine Size(mm)	900*670*975
Machine Weight	168kg

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HLC-2000M Handheld Laser Cleaning

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Welding Power	2000W
Laser wavelength	1064NM
Fiber Length	Standard:10M
Cleaning width	0-300mm
Cooling Method	Water cooling
Operating Temperature	5~40 °C
Gas Air Pressure	0.5-0.8MPa
Auxiliary Gas	Compressed Air
Operating Voltage	AC220V 50/60HZ
Machine Size(mm)	1050*720*975
Machine Weight	200kg

HLC-3000M Handheld Laser Cleaning



PRODUCTS DESCRIPTION

RIVCEN handheld laser cleaning machine adopts advanced laser cleaning technology, cleaning effect perfect, small equipment, easy to carry, saving labor and consumables costs, environmental protection and no pollution.

KEY FEATURES

- Adopt fiber laser, high photoelectric conversion efficiency
- Non-contact cleaning, no damage to the workpiece
- Cleaning is very fast, no dead corner cleaning
- Selective cleaning, precise cleaning
- Simple operation, power on and use
- High work efficiency, no consumables, low maintenance cost
- No chemicals, very environmentally friendly

APPLICATION

Hand held laser cleaning machine can be widely used in rust, oxides, oil, scale, paint, carbon deposits, petroleum products, adhesive and electroplated coatings, organic contaminants, rubber, wire insulation, film coatings, radioactive contamination, etc.

TECHNICAL DATA

Item	Hand-held Laser Welding Machine
Welding Power	3000W
Laser wavelength	1064NM
Fiber Length	Standard:10M
Cleaning width	0-300mm
Cooling Method	Water cooling
Operating Temperature	5~40 °C
Gas Air Pressure	0.5-0.8MPa
Auxiliary Gas	Compressed Air
Operating Voltage	AC380V 50/60HZ
Machine Size(mm)	1050*720*975
Machine Weight	205kg

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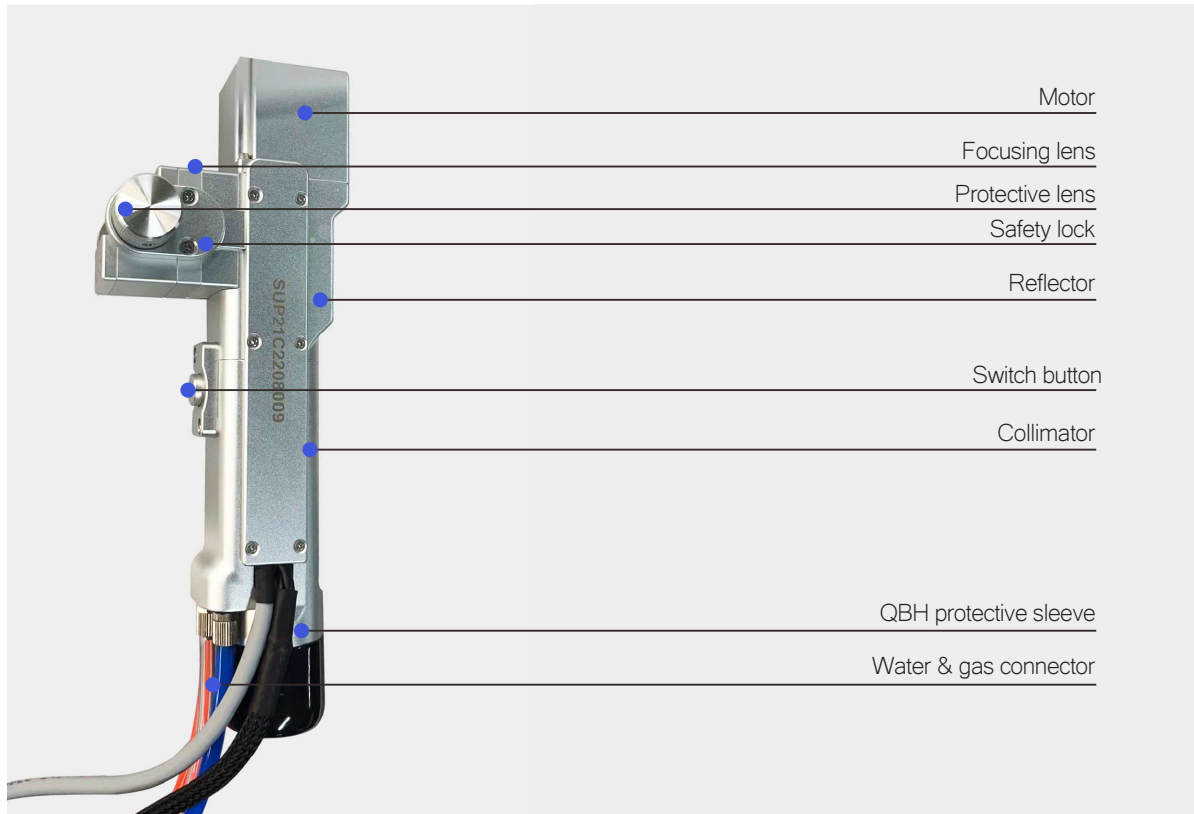
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LASER WELDER

HLC-1500M/2000M/3000M Handheld Laser Cleaning

SUP21C LASER CLEANING HEAD

Basic features: Self-developed control system, multiple safety alarms, smaller size flexible operation and easy to use. More stable: All parameters are visible, real-time monitoring of the status of the whole machine, to avoid problems in advance, more convenient to troubleshoot and solve problems, to ensure the stable operation of the welding head.



TECHNICAL DATA

Item	Hand-held Laser Cleaning Machine
Voltage	AC220V±10% 50/60HZ
Cleaning power	1500W/2000W
Humidity	<70%
Cooling method	Water cooling
Cleaning wavelength	1064nm (±nm)
Temperature	10-40C°
Collimation	D20*3.5 F60
Focus	D20 F400/D20 F800
Reflection	20°15.2 T1.6
Protection lens	D20*2
Maximum air pressure	15bar
Adjustment range	Line: 0-300mm
Weight	0.7kg

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LASER WELDER

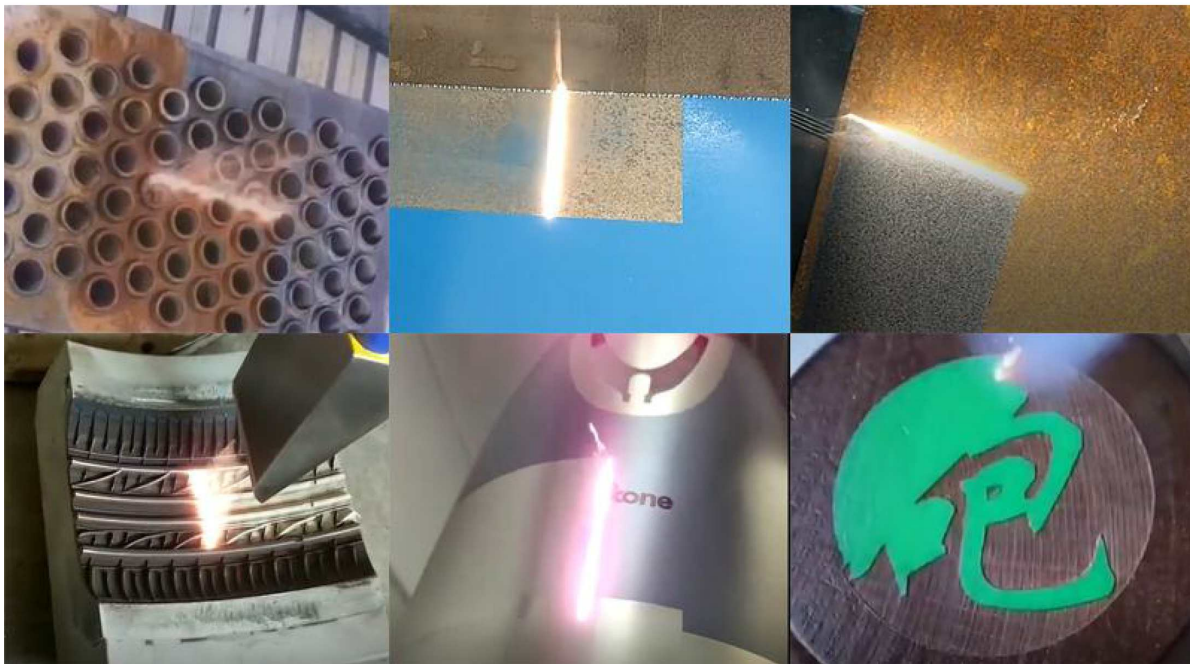
HLC-1500M/2000M/3000M

Handheld Laser Cleaning

STANDARD ACCESSORIES

NO.	Main Components	Quantity
1	Focusing lens-D20T3.5F400	1
2	Protective lens-D20T2	5
3	Protective helmet	1
4	QBH connector dust-proof helmet	1
5	Key	1
6	Protection goggle	1
7	USB to 232 serial cable	1
8	232 extension cable	1

SAMPLES



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