

KeyGree

LASER PRODUCT BROCHURE

COLLABORATION · WIN-WIN · INNOVATION · DEVELOP



KeyGree

KEYGREE GROUP CO.,LTD

Email: info@Keygree.com

ADD: Qingbaijiang Industrial Zone, Qingbaijiang, Chengdu, Sichuan

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Branch 1:

Chengdu Factory: CHENGDU KEYGREE TECHENOLGY CO.,LTD

ADD: Qingbaijiang Industrial Zone, Qingbaijiang, Chengdu, Sichuan

Branch 2:

Wenzhou Factory: WENZHOU KEYGREE ELECTRIC CO.,LTD.

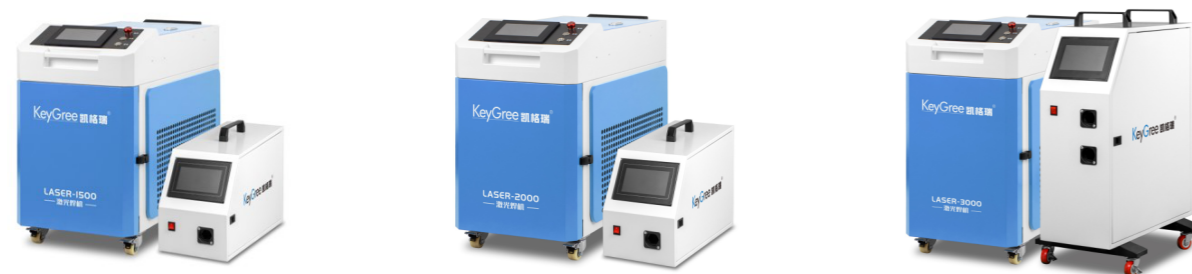
ADD: Dong Village, Liushi Town, Yueqing City, Wenzhou City, Zhejiang Province

★ 4 IN 1 Fiber laser welding machine

◆ 4 IN 1 Water cooling laser welding machine

◆ HW 1200,HW1500,HW2000,HW3000

- ▲ Suitable for long-term operation, perfect heat dissipation, perfect welding effect more stable machine operation.
- ▲ Easy to maintain, convenient structural design.
- ▲ Saving time and human, the operation is simple ordinary people start in half an hour, save employment cost.
- ▲ High speed welding .the speed is fast,and the efficiency can reach 3-8times of argon arc welding.



Model	HW-1500	HW-2000	HW-3000
Total Input Power	5.8KW	7.8KW	9.2KW
Transmission Type / Laser Wavelength	Fiber / 1080 nm(±10 nm)		
Input Voltage	AC 220V (±10%) 50Hz		
Laser Cooling	Water-cooled(Dual-Temperature Control)		
Fiber Length	10M		
Coolant Tank Capacity	16L		
Operating Ambient Temperature	5°C to 40°C (Anti-freeze required below 5°C)		
Operating Ambient Humidity	< 70%		
Machine Type	Cabinet Style		
Main Unit Dimensions (L x W x H)	910 x 470 x 790 mm		1140 x 530 x 880 mm
Main Unit Weight	105 kg (±3%)	110 kg (±3%)	190 kg (±3%)
Weld Gap Requirements	< Wire Diameter		
Cutting Parameters	Gas: Air/Nitrogen (4 bar ≤ Pressure ≤ 7 bar)		
Recommended Cutting Thickness	≤1.5mm	≤2mm	≤3mm
Cleaning Parameters	Material: Rust/Oil Stains Cleaning Speed: 50 mm/s		

◆ 4 IN 1 Air cooling laser welding machine

◆ AW800,AW1200,AW1500

- ▲ Energy saving of 50% compared to water-cooled equipment.
- ▲ Can be directly welded, no need to wait for the machine.
- ▲ Maintenance-free mainframe, no need to add water and antifreeze.
- ▲ Compact, easy to move, light.



Model	AW-800	AW-1200	AW-1500
Operating mode	Continuous		
Laser wavelength	1080±5nm	1080±10nm	
Power requirements	220V		
Machine power	4KW	4.5KW	5KW
Operating environment temperature range	-10~40°C		
Working environment humidity range	30-70%	< 70%No condensation	
Welding width	0.5-5mm	0-5mm	
Welding thickness range	0.3-3mm	0.4-5mm	
Cleaning width	Max.120mm		
Wire diameter	0.8/1.0/1.2/1.6/2.0mm		
Welding speed	0.3-0.9m/min	0-2m/min	

★ HANDHELD Fiber laser cleaning machine

◆ Pulse Hand-Held Laser Cleaning Machine

◆ LC100P,LC200P,LC300P

- ▲ Safe, non-contact, no damage to substrate.
- ▲ Environmental protection, no secondary pollution, and removed substances recyclable.
- ▲ Precision and controllable, optional area cleaning, and micron level.
- ▲ Ultra high cost performance, laser cleaning equipment in the use of no consumables, only power consumption.

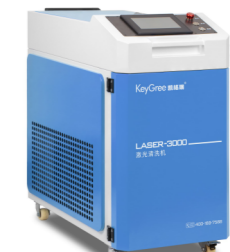


Model	LC-100P	LC-200P	LC-300P
Application	Remove surface oil stains, rust spots, scale, weld cleaning Organic coating, surface roughening, etc.		
Output Power (w)	100	200	300
Emission Wavelength(nm)	1060-1070		
Fiber Length (M)	5M		
Operation Modes	Pulse		
Working Voltage	AC220V.50Hz/60Hz		
Rated Output Power Supply(kW)	1.2		
Cooling Method	air-cooled		
Scanning Width(mm)	0.1-130		
Scanning Pattern	8		
Welding speed	Fiber/Pulse		
Equipment Dimension	510*380*680	customized	
Equipment Weight (Kg)	35/30/30/customized		

◆ Continuous Fiber Laser Cleaning Machine

◆ LC1500,LC2000,LC3000

- ▲ Substrate non-contact cleaning, without damage
- ▲ High precision cleaning, good precision of position cleaning, selective washing.
- ▲ Without any chemical cleaning fluid and no consume materials, safe and environment protecting
- ▲ Simple operation. hand-hold clean or with a mechanical hand to clean

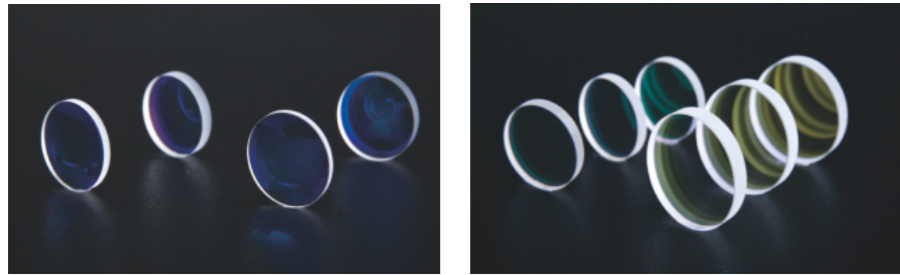


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Main Unit Weight	105 kg (±3%)	110 kg (±3%)	190 kg (±3%)
Weld Gap Requirements	< Wire Diameter		
Cleaning Parameters	Cleaning Speed: 50 mm/s Cleaning Range / Scan Width: 0 - 300 mm Gas: Use filtered air with no oil or water (Grade 3 or higher)		

★ ACCESSORY

◆ Optical Lens

◆ Applicable to our welding, cleaning products of focusing lens, collimating lens, reflectivelens,and protective lens.Imported quartz crystal material, applicable for 1500-3000w, high temperature resistance,laser resistance, double anti-reflection film.



Name of lens	Specification	Applicable Products
Protective Lens	D18*2	20S/T, 21T, 23S/T, SW150
	D30*5	22C
Focusing Lens	D20*4.5-F150/F200	20S/T, 21T, 23S/T, SW150
	D20*3.5-F400/F800	21C, 22C
Collimating Lens	D20-F60	20S/T, 21C
	D16-F60	21T, 22C, 23S/T, SW150
Reflective Lens	30*14*2	20S/T, 21T, 23S/T
	20*15.2*1.6	22C, SW150
	15.2*15.2*1.6	Sw150

◆ Handheld Welding Holster



★ ACCESSORY

◆ Hand held welding nozzle and graded tube

