

# 1200W/1500W 4 in 1 air cooling metal welding machine laser cleaning machine for metals

catalogue	Parameter for Rlaser air cooling welding machine		
Machine Power	700W	1200W	1500W
Machine appearance			
Fiber length	10m/32.8inch	10m/32.8inch	10m/32.8inch
Working mode	continuous/Modulation pulse	continuous/Modulation pulse	continuous/Modulation pulse
Laser wavelength	1080nm	1080nm	1080nm
Welding speed	0-120mm/s	0-120mm/s	0-120mm/s
Rust removal width	1-150mm	1-150mm	1-150mm
Working temperature	-20°C-45°C	-20°C-45°C	-20°C-45°C
Working voltage	220V 50HZ	220V 50HZ	220V 50HZ
Total power & Maximum current	1.7KW 7.8A	2.8KW 12.8A	3.6KW 16.5A
Machine Size	50*32*42cm	56*32*50cm	56*32*50cm
Aluminum welding thickness	2.0mm(MAX 2.5mm)	2.5mm(MAX 3.0mm)	3.0(MAX 3.5mm)
Aluminum cutting thickness	0-1.5mm(MAX 2.0mm)	0-2.0(MAX 3.0mm)	0-2.5mm(MAX 2.8mm)
Carbon steel welding thickness	0.35-3.0mm(MAX 3.5mm)	0.35-4.0mm(MAX 4.5mm)	0.35-5mm(MAX 5.5mm)
Carbon steel cutting thickness	0-3.0mm(MAX 5.0mm)	0-5.0mm(MAX 8.0mm)	0-5.5mm(MAX 9.0mm)
Stainless steel welding thickness	0.35-3.0mm(MAX 3.5mm)	0.35-4.0mm(MAX 4.5mm)	0.35-5.0mm(MAX 5.5mm)

## AIR-COOLING LASER SOURCE

- Small volume and large energy: 1200W of energy is equivalent to 1500W of water-cooled.
- Energy saving: No need for a chiller, saving 50% of electricity compared to water-cooled welding machines.
- Stable quality and high safety; Having CE, ROHS, IEC60825 optical radiation testing.



## WIRE FEEDER MACHINE



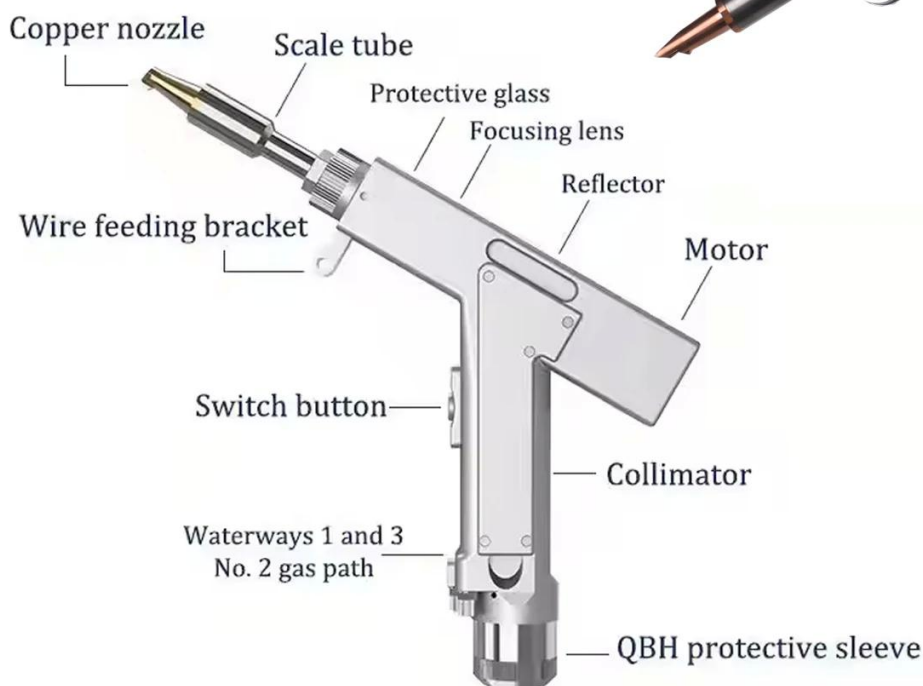
Control system with auto layout optimization, ensure high speed operation of whole machine. small size, flexible ,processing low operating and maintenance costs.

## SUPLASER 23T HANDHELD WELDING GUN

Including hand-held welding gun and self-developed control system, set multiple safety alarms and active safety power off, light off Settings. The optimized optical design enables the laser head to work stably at 2000W for a long time under air cooling.



(Only 0.7KG)



## FOUR SAFE DESIGNS



1. Laser Power Switch  
2. Emergency Switch



3. welding Gun Switch



4. Safe Ground Wire Clamp

## THREE PROTECTIVE WELDING EQUIPMENT



1. Anti noise earphones



2. protective glasses



3. protective gloves

## PRODUCT BUTTON INDICATION





## 1200W PRODUCT SIZE



## EIGHT HIGHEST TEST



# PACKAGING LIST

 <p>1X 1200W Air Cooling Welder</p>	 <p>1X Wire Feeding Machine</p>	 <p>Air-Cooling Laser Source</p>	 <p>1 x Protective Glasses</p>
 <p>LED Display</p>	 <p>4 in 1 Laser Welding Gun</p>	 <p>Noise-cancelling headphones</p>	 <p>1 x Protective Gloves</p>
 <p>8Pcs Welding Nozzle</p>	 <p>ER304 Steel Welding Wire</p>	 <p>10Pcs Protective lenses</p>	 <p>4 Pcs Wire Nozzle</p>
 <p>1XCable for Laser Souce 1XPower Cable</p>	 <p>1Pcs D20 Cleaning lens</p>	 <p>Safe Clip</p>	 <p>Wrench</p>





# CERTIFICATE

## ATTESTATION CERTIFICATE OF ELECTROMAGNETIC COMPATIBILITY AND LOW VOLTAGE DIRECTIVES

Technical file of the company mentioned below has been observed and audit has been completed successfully.

2014/30/EU Electromagnetic Compatibility Directive and

2014/35/EU Low Voltage Directives have been taken as references for these processes

Company Name : Wuxi Reliable Photoelectric Technology Co., Ltd.

Company Address : NO.168, Hongyun Road, Xinwu District, Wuxi City, Jiangsu Province, China

Related Directives and Annex : 2014/35/EU Low Voltage Directive  
2014/30/EU Electromagnetic Compatibility Directive

Related Standards : EN 60825-1:2014+A11:2021; EN IEC 61000-6-3:2021  
EN IEC 61000-6-1:2019

Product Name : Fiber laser

Report No and Date : EASY03220607L/ EASY03220607E

Product Brand/Model/Type : RLASER/ FL-100P, FL-120P, FL-200P, FL-500P, FL-100S, FL-200S, FL-300S,  
FL-350S, FL-500S, FL-600S, FL-S700, FL-S1000, FL-S1500, FL-S2000,  
FL-S3000, CW-1000H, CW-1500H, CW-2000H, CW-3000H, CW-4000H,  
CW-6000H, CW-8000H, CW-10000H, CW-12000H, CW-15000H,  
CW-20000H

Certificate Number : M.2022.206.C76188

Initial Assessment Date : 03.08.2022

Registration Date : 04.08.2022

Reissue Date/No : -

Expiry Date : 03.08.2027

  
UDEM International Certification  
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The validity of the certificate can be checked through [www.udem.com.tr](http://www.udem.com.tr). The CE mark shown on the right can only be used under the responsibility of the manufacturer with the completion of EC Declaration of Conformity for all the relevant Directives. This certificate remains the property of UDEM International Certification Auditing Training Centre Industry and Trade Inc. Co. to whom it must be returned upon request. The above named firm must keep a copy of this certificate for 15 years from the registration of certificate. This certificate only covers the product(s) stated above and UDEM must be noticed in case of any changes on the product(s).

Address: Mutlukent Mahallesi 2073 Sokak (Eski 93 Sokak) No:10 Çankaya – Ankara – TURKEY

Phone: +90 0312 443 03 90 Fax: +90 0312 443 03 76

E-mail: [info@udemltd.com.tr](mailto:info@udemltd.com.tr) [www.udem.com.tr](http://www.udem.com.tr)

