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- **SMART INTERCONNECTION**
- **ANTI-FREEZE TECHNOLOGY**



PROVIDE SOLUTIONS FOR AUTOMATED LASER CLEANING & LASER WELDING

LASER CLEANER / LASER WELDER

LUOYANG XINCHENG PRECISION MACHINERY CO., LTD.

SFX LASER CALIFORNIA

SFX LASER (THAILAND) CO., LTD.



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2 European Warehouses Munich, Ratingen	4 Chinese Warehouses East China (2), Central China, and South China	7 American Warehouses USA: New York, Texas, California 1, 2, 3, 4 Canada: Quebec	90+ Countries and Regions Worldwide Sales	200+ Global Employees Talented Educated Dedicated
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As our world has tranformed to be internet and online focused, SFX has embraced distribution on platforms such as: Amazon, eBay, Newegg and Walmart.

We currently export to 90+ countries and regions to include: USA, Canada, Germany, S. Korea, India, UK and Italy.



INTEGRATED LASER CLEANER

CONTINUOUS TYPE



CONTINUOUS WORKING WITHOUT BURNING THE LENS ; FLEXIBLE TO MOVE AND EASY TO CARRY

Features

- Wide area cleaning- up to 500mm swing width.
- Anti-Freeze Technology protects the laser source from low-temperature damage.
- Smart Connection Enables remote control and online diagnostics.
- Mobile Control. Easily adjust settings in real time using your smartphone.
- Remote Support. Get instant help from our technical team online.



Parameter

Model	SLC-1525	SLC-2030	SLC-3040	SLC-6050
Laser Power	1500W	2000W	3000W	6000W
Laser Wavelength	1080±10nm			1070±10nm
Laser Mode	Continuous/Modulated			
Max. Frequency	20kHz			
Fiber Cable Length	10m	15m	20m	20m
Swing Width	10-250mm	10-300mm	10-400mm	10-500mm
Input Voltage	Single Phase AC220V±10%		3-phase AC 380V±7%	
Input Power	8kW	10kW	11kW	13kW
Cooling Method	Water cooling (Medium:deionized water, distilled water or purified water)			
Water Tank Capacity	16L (Need to add 14-15L)	24L	18L (Need to add 14-15L)	47L (Need to add 43-44L)
Return water flow	13L/min	25L/min	35L/min	
Machine Dimension	900*490*662mm	1065*510*900mm	1050*650*1070mm	1313*630*1088mm
Net Weight	115kg	118kg	146kg	234kg
Gross Weight	145kg	150kg	175kg	310kg

Continuous Laser Cleaner Applications

It can be used to remove rust, stains, paint, oil stains, etc. on carbon steel, stainless steel, aluminum, floor tiles, walls and other materials. Suitable for applications where high-efficiency cleaning is required.



DOUBLE WOBBLE LASER CLEANER

CONTINUOUS TYPE



WIDE SCANNING RANGE/SMART INTERCONNECTION / ANTI-FREEZE TECHNOLOGY

Features

- Wide area cleaning- up to 300mm swing width.
- Anti-Freeze Technology protects the laser source from low-temperature damage.
- Smart Connection Enables remote control and online diagnostics.
- Double-wobble intelligent laser head supports switching between 7 cleaning patterns.
- Remote Support. Get instant help from our technical team online.



Parameter

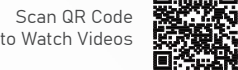
Model	SLC-2030B	SLC-3040B
Laser Power	2000W	3000W
Trajectory Pattern	7	
Laser Wavelength	1080±10nm	
Laser Mode	Continuous/Modulated	
Max. Frequency	20kHz	
Fiber Cable Length	10m (Customizable 20m)	15m (Customizable 20m)
Adjustable scan size	270*60mm	300*60mm
Input Voltage	Single Phase AC 220V±10%	3-phase AC 380V+/-7%
Input Power	10kW	11kW
Cooling Method	Water cooling (Medium:deionized water, distilled water or purified water)	
Water Tank Capacity	16L (Need to add 14-15L)	24L
Return water flow	13L/min	25L/min
Machine Dimension	900*490*662mm	1065*510*900mm
Packaging Dimension	1120*565*1050mm	1250*600*1200mm
Net Weight	118kg	146kg
Gross Weight	150kg	175kg

Cleaning Effect



AIR-COOLED CONTINUOUS
LASER CLEANER

CONTINUOUS TYPE



CONTINUOUS WORKING WITHOUT BURNING THE LENS ; FLEXIBLE TO MOVE AND EASY TO CARRY

Features

- Lightweight, energy-saving, maintenance-free.
- Integrated air-cooled design, compact machine size 580 × 430 × 630 mm.
- 250mm wide cleaning. 7*24h continuous operation without lens burning.
- Smart Interconnection, remote control, online diagnosis.

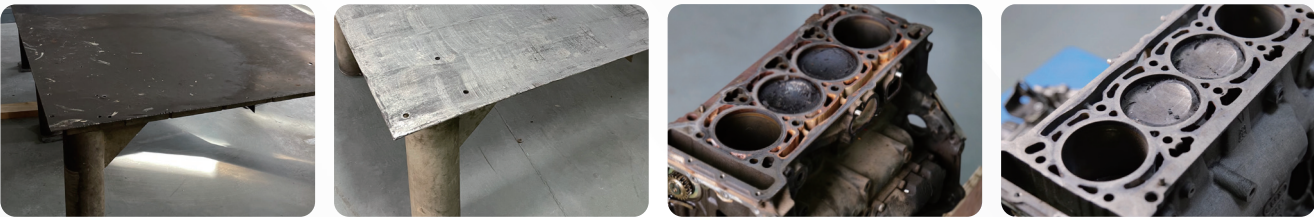


Parameter

Model	ALC-1500
Laser Power	1500W
Laser Wavelength	1080±10nm
Laser Mode	Continuous/Modulated
Max. Frequency	10kHz
Fiber Cable Length	10m
Swing Width	10-250mm (F500 Lens as Standard)
Input Voltage	AC 220V±10%, 50/60Hz
Input Power	5kW
Rated current	21A
Cooling Method	Air cooling
Ambient Temperature	0-35℃
Ambient Humidity	40%-80%
Machine Dimension	580*430*630mm
Package Dimension	700*500*850mm
Net Weight	51kg
Gross Weight	70kg

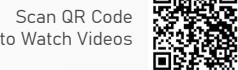


Cleaning Effect



HANDHELD LASER CLEANER

PULSED TYPE



WIDE CLEANING RANGE, WITHOUT DAMAGE TO THE SUBSTRATE, SUITABLE FOR FINE CLEANING

Features

- Accurate cleaning, without damage to the substrate, higher cleaning efficiency.
- Support 8 cleaning modes, applicable to complex applications.
- Extended IO can cooperate with manipulator to realize automatic cleaning.

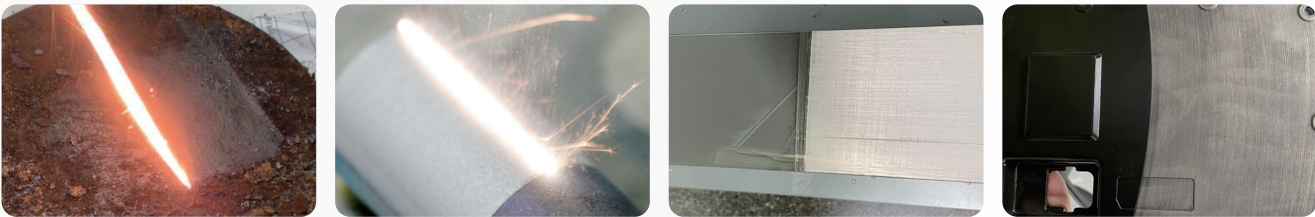


Parameter

Model	BPC-500	BPC-1000	BPC-2000
Laser Power	500W	1000W	2000W
Laser Mode	Pulsed		
Smart Interconnection	×	√	×
Anti-freeze Technology	×	√	×
Laser Wavelength	1060-1080nm		
Pulse Width	10-500ns	100-500ns	30-500ns
Frequency Range	1-1000kHz	100-1500kHz	1-1500kHz
Fiber Cable Length	10m		20m
Swing Range	100*100mm (F254 Lens as Standard)	150*120mm (F300 Lens as Standard)	180*70mm (F420 Lens as Standard)
Cooling Method	Water Cooling		
Input Voltage	AC 220V±10%, 50/60Hz		AC 380V±10%, 50/60Hz
Input Power	<4000W	<6000W	<9000W
Anti-Reflection Protection	√	×	√
Ambient Temperature	-5-40℃		
Ambient Humidity	≤ 80%		
Machine Dimension	1010*600*1045mm		1050*670*1070mm
Net Weight	170kg	183kg	244kg



Cleaning Effect



AIR-COOLED PULSE
LASER CLEANING MACHINE **PULSED TYPE**

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HIGH-PRECISION AND FAST CLEANING. LIGHTWEIGHT, ENERGY-SAVING AND MAINTENANCE-FREE

Features

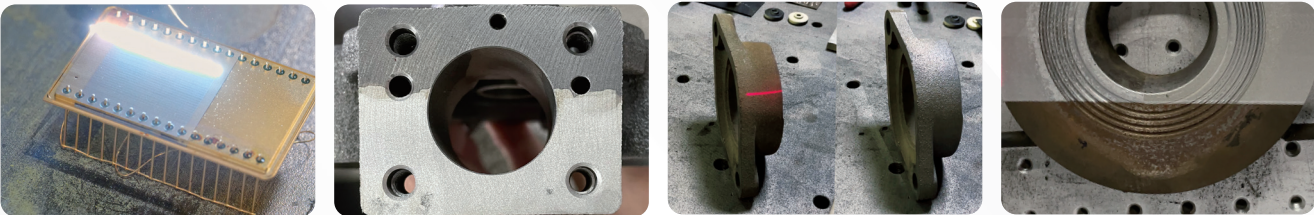
- Integrated air-cooled design, compact machine size 580 × 430 × 630 mm.
- 6 preset cleaning processes + 3 custom ones.
- Double-wobble Cleaning Head Swing width up to 190mm.
- Self-propelled mode can accurately locate the focal length and clean more evenly.



AGC Parameter

Model	AGC-300(IoT)		AGC-300(IoT+)		AGC-500(IoT)		AGC-500(IoT+)	
Laser Power	300W				500W			
Laser Wavelength			1070±10nm					
Laser Mode			Pulsed					
Self-propelled function	×		√		×		√	
Smart Interconnection			√					
Pulse Width			20-500ns					
Frequency Range	1-3000kHz				1-4000kHz			
Fiber Cable Length			5m (Customizable)					
Swing Width	0-100mm				0-190mm			
Input Voltage			AC 110-220V±10%, 50/60Hz					
Input Power	2kW				3kW			
Cooling Method			Air cooling					
Ambient Temperature			-5°C-37°C					
Ambient Humidity			40%-80%					
Machine Dimension			580*430*630mm					
Packaging Dimension			700*500*770mm					
Net Weight	≤54kg		≤56kg		≤66kg		≤68kg	
Gross Weight	≤70kg		≤72kg		≤82kg		≤84kg	

Cleaning Effect



Outstanding Advantages		Wood Cleaning	Mould Cleaning	Removal of Oxide Film and Surface Roughening of Highly Reflective Materials
AGC SERIES	The AGC series uses super-focused spot topology technology, which has more outstanding advantages in removing oxide films and surface roughening of highly reflective materials.	 Slight Burn Marks	 Slight Marks	 Surface Roughening
		 No Burn Marks	 Smooth and Seamless	 No Surface Roughening Effect
APC SERIES	The APC series uses intelligent slow-release pulse technology, which has more outstanding advantages in mold cleaning and wood cleaning.			

APC Parameter

Model	APC-300(IoT)		APC-300(IoT+)		APC-500(IoT)		APC-500(IoT+)	
Laser Power	300W				500W			
Laser Wavelength			1070±10nm				1064nm	
Laser Mode			Pulsed					
Self-propelled function	×		√		×		√	
Smart Interconnection			√					
Pulse Width			10-500ns					
Frequency Range			1-3000khz					
Fiber Cable Length	5m (Customizable)				10m			
Swing Width	0-100mm				0-120mm			
Input Voltage			AC 110-220V±10%, 50/60Hz					
Input Power	2kW				2.5kW			
Cooling Method			Air cooling					
Ambient Temperature			-5°C-37°C					
Ambient Humidity			40%-80%					
Machine Dimension			580*430*630mm					
Packaging Dimension			700*500*770mm					
Net Weight	≤54kg		≤56kg		≤44kg		≤46kg	
Gross Weight	≤70kg		≤72kg		≤62kg		≤64kg	

Cleaning Effect



PLATFORM AUTOMATIC LASER CLEANING MACHINE

PULSED TYPE



FOR REMOVING ADHESIVES OR COATINGS FROM THE SURFACE OF OBJECTS

Features

- Consistent energy with automatic focus control. Stable operation, uniform cleaning and high gloss.
- Digital matching cleaning. The laser frequency, galvanometer, and axial speed are matched.
- The whole machine adopts modular design. Stable performance and easy maintenance.
- 10 safety protection and early warning systems. Automated application, safe and stable.

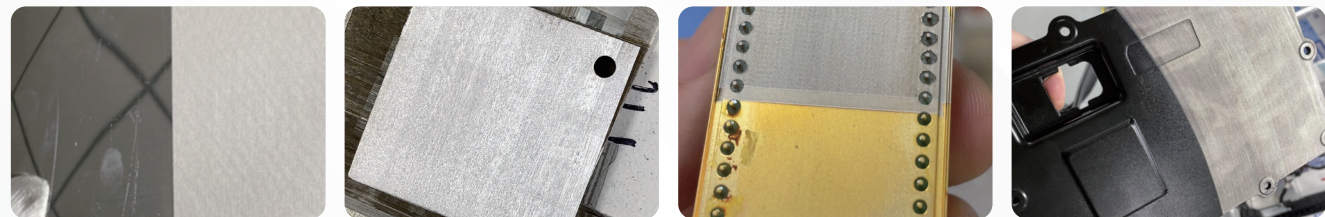


Parameter

Model	DLC-200	DLC-300	DLC-500
Laser Power	200W	300W	500W
Laser Mode	Pulsed		
Laser Wavelength	1064±10nm		
Pulse Width	10-500ns		
Frequency Range	1-4000kHz	1-1000kHz	
Swing Range	10-150mm (Optional field lens: 254mm,330mm, 420mm, width up to 300mm)		
Cooling Method	Air cooling	Air/Water Cooling	Water Cooling
Workbench Size	1200*1000mm		
XYZ Stroke	800*400*400mm		
Input Voltage	AC 220V±10%, 50/60Hz		
Input Power	<3000W	<3500W	<5000W
Water Tank Capacity	16L (Need to add 14-15L)		
Machine Dimension	1200*1000*1700mm		
Package Dimension	1800*1400*1900mm		
Net Weight	460kg		

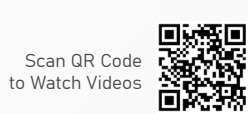


Cleaning Effect



FULLY ENCLOSED PLATFORM AUTOMATIC LASER CLEANING MACHINE

PULSED TYPE



SMALL AND MEDIUM-SIZED WORKPIECES/COMPLEX WORKPIECES AUTOMATIC IN-LINE CLEANING

Features

- Remove floating rust, paint, oil and plating layer.
- Accurate positioning, uniform cleaning, high surface finish.
- Full range of CNC systems. Five-axis linkage, flexible operation.
- Fully automatic online cleaning with communication system.

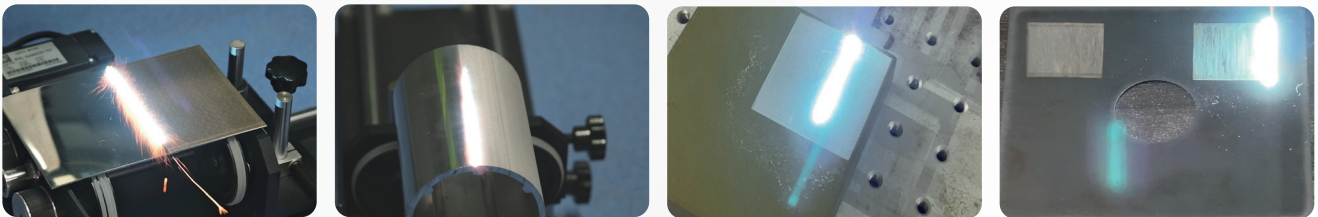


Parameter

Model	DLC-200A	DLC-300A	DLC-500A
Laser Power	200W	300W	500W
Laser Mode	Pulsed		
Laser Wavelength	1064±10nm		
Pulse Width	10-500ns		
Frequency Range	1-4000kHz	1-3000kHz	
Swing Range	Standard Configuration Lens 330mm, Swing Area 10-250mm. (Optional Lens 254mm, Swing Area 10-175mm / 420mm, Swing Area 10-300mm)		
Cooling Method	Air Cooling	Air/Water Cooling	Water Cooling
Workbench Size	1300*970mm		
XYZ Stroke	800*400*400mm		
Input Voltage	AC 220V±10%, 50/60Hz		
Input Power	<3000W	<3500W	<5000W
Water Tank Capacity	16L (Need to add 14-15L)		
Machine Size	1580*1440*1900mm		
Packing Size	1800*1600*2100mm		
Net Weight	580kg (Machine) + 50kg (Chiller)		



Cleaning Effect



TROLLEY CASE LASER CLEANER

PULSED TYPE



FLEXIBLE AND EASY TO CARRY

Features >>>

- Lightweight portable trolley-case design, easy to move.
- Specialized for wood cleaning with precise, damage-free performance.
- Features double wobble technology, 8 cleaning modes, and a 7-inch touch screen.
- Includes 6 preset cleaning processes plus 3 customizable modes for easy operation.
- IoT function supports remote control and online diagnostics.



Parameter >>>

Model	LPC-300	LPC-500
Laser Power	300W	500W
Laser Wavelength	1070±10nm	
Laser Mode	Pulsed	
Pulse Width	10-500ns	
Frequency Range	0-3000kHz	
Cable Length	5 m (Approx. 4m usable length)	
Swing Width	0-100mm	0-120mm
Input Voltage	AC 110~220V±10%	
Input Power	1kW	1.5kW
Cooling Method	Air Cooled	
Ambient Temperature	0°C ~35°C	
Ambient Humidity	40%-80%	
Main Unit Dimensions	610*440*326mm	660*500*330mm
Net Weight	26kg	36kg

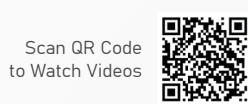


Pulsed Laser Cleaner Applications >>>

Digitally controlled laser parameters which does not damage the substrate, avoid heating and micro-melting; it is suitable for cleaning coating, plating, oxide layers, paints, oil stains, etc., especially fine cleaning for corrosion-resistant, wear-resistant and difficult-to-clean materials after high temperature treatment.



LASER CLEANING AUXILIARY DEVICE



SOLVE THE PROBLEMS OF UNSTABLE HAND HOLDING AND UNEVEN CLEANING

Features >>>

- Stable Operation, even Cleaning, high Smoothness.
- Can realize reciprocation, fixed distance, following, etc. 9 cleaning operation modes.
- Multi-angle Adjustable, can also be used with a rotary axis for rotational cleaning.



Parameter >>>

Model	JF-500
Input Voltage	AC 110~220V±10%, 50/60Hz
X-axis Travel	500mm
Z-axis Travel	500mm
Running Speed	≤ 40mm/s
Packaging Size	800*340*380mm
Net Weight	21kg
Gross Weight	34kg



Unstable hand holding



Cleaning with auxiliary device



INTEGRATED AIR-COOLED LASER WELDING MACHINE



INTEGRATED DESIGN TRULY INTEGRATED BODY FOR EASIER MOBILITY AND OPERATION

Features >>>

- Self-generates protective gas, no external gas required.
- Long-lasting welding without overheating or hand burn.
- Dual welding modes flexible design for multiple operational needs.
- One-click switch to weld seam cleaning.
- The welding speed is 4-10 times faster than traditional welding.



Parameter >>>

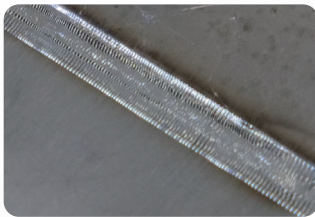
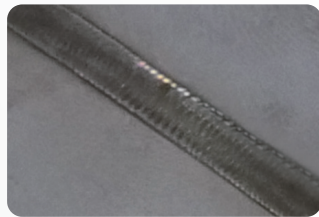
Model	ALW-1400
Laser Mode	Continuous/Pulsed
Laser Swing	0-5mm
Applicable Welding Wire Diameter	0.8mm, 1.0mm, 1.2mm, 1.6mm
Welding Gun Weight	750g
Input Voltage	AC 220V±10%, 20A, 50/60Hz
Rated Power	5kW
Machine Dimension	850*550*750mm
Machine Volume	0.37m³
Net weight	94kg



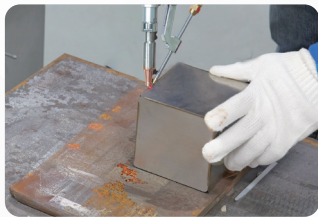
Welding Penetration >>>

Welding Materials	Stainless Steel	Carbon Steel	Galvanized Sheet	Aluminum	Brass	Copper
Depth of fusion on one side (mm)	4.5	4.5	4.5	3.5	2.0	2.0
Double-sided of fusion on one side(mm)	9.0	9.0	9.0	7.5	4.0	4.0

Weld Bead Cleaning >>>



Welding Effect >>>



AIR-COOLED HANDHELD LASER WELDING MACHINE



EASY TO CARRY, HIGHLY INTELLIGENT, 30-MINUTE EASY START WITH ZERO EXPERIENCE

Features >>>

- Integrated air-cooled design, high integration, easy to carry.
- Welding speed is 4-10 times faster than traditional welding.
- Addition of weld bead cleaning mode for beautiful weld seams.
- Lightweight design of the gun head, only 750g.
- Practical welding cart, designed for SFX air-cooled welding machine.



Parameter >>>

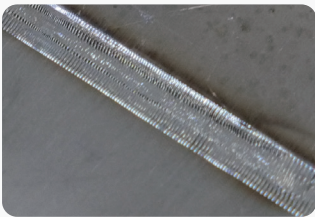
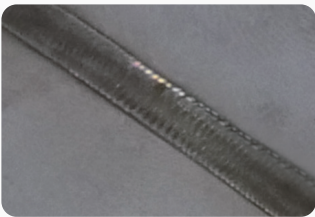
Model	ALW-1200A
Laser Mode	Continuous/Pulsed/Modulated/Linear/Timing
Laser Swing	0-5mm
Applicable Welding Wire Diameter	0.8mm, 1.0mm, 1.2mm, 1.6mm
Welding Gun Weight	750g
Protective Gas	Argon, nitrogen (0.2-0.6MPa)
Input Voltage	AC 220V±10%, 50/60Hz
Rated Power	4kW
Machine Dimension	550*320*550mm
Machine Volume	0.1m³
Net weight	32kg (Wire feeder weight 10kg)



Welding Penetration >>>

Welding Materials	Stainless Steel	Carbon Steel	Galvanized Sheet	Aluminum	Brass	Copper
Single-side melting depth (mm)	4.0	4.0	4.0	3.0	1.5	1.5
Double-sided melting depth(mm)	8.0	8.0	8.0	6.0	3.0	3.0

Weld Bead Cleaning >>>



Welding Effect >>>



2 IN 1 LASER WELDING MACHINE

ONE MACHINE EQUALS 2 WELDERS. FLEXIBLE AND EASY TO CARRY



Features

- High welding efficiency, 3-8 times that of traditional welding machines.
- No grinding or finishing required to the seam.
- 2 in 1 head for welding & welding seam cleaning.
- Synchronous wire feeding system, high welding strength, large aspect ratio and small deformation.

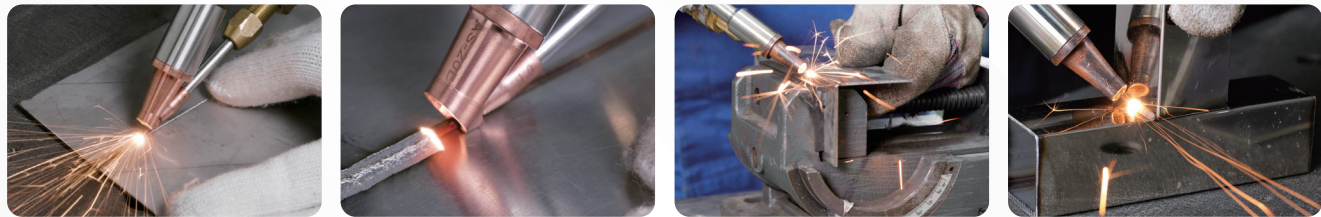


Parameter

Model	SLW-1500	SLW-2000	SLW-3000
Laser Power	1500W	2000W	3000W
Laser Mode	Continuous/Modulated		
Laser Wavelength	1080±10nm		
Max. Frequency	5kHz		
Welding Width	0-6mm		
Fiber Cable Length	10-15m (Customizable)		20m
Input Voltage	AC 220V±10%, 50/60Hz		AC 380V±7%, 50/60Hz
Input Power	<8000W	<10000W	<13000W
Cooling Method	Water cooling (deionized water, distilled water or purified water)		
Water Tank Capacity	16L (Add 14-15L water)		
Machine Dimension	900*490*662mm		1050*650*1070mm
Package Dimension	1220*565*1050mm		1430*720*1220mm
Net Weight	113kg	137kg	225kg
Total Weight	145kg	169kg	285kg

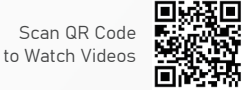


Welding Effect



PLATFORM AUTOMATIC LASER WELDING MACHINE

HIGH-PRECISION 5-AXIS LINKAGE



Features

- Laser Swing width is 20mm. Cleaning and welding can be completed with a single machine.
- Coaxial visual function with a screen compatible with CCD display.
- Visual correction enables automatic calibration of the welding path.
- Wire replenishment function detects wire position in real time and adjusts automatically.
- Supports DXF file recognition and automatic welding path generation.

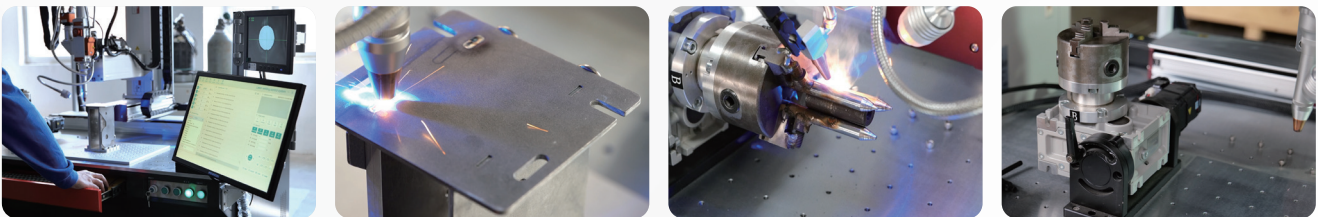


Parameter

Model	DLW-1500	DLW-2000	DLW-3000
Laser Power	1500W	2000W	3000W
Laser Mode	Continuous/Modulated		
Laser Wavelength	1080±10nm		
Max. Frequency	20kHz		
Track(X*Y*Z)	800*400*400mm (Customized)		
Welding Depth	4mm	6mm	8mm
Spot Dimension	0-20mm		
Aiming and Positioning System	Coaxial vision		
Input Voltage	AC 220±10%		AC 380±7%
Rated Power	9 kW	11 kW	13 kW
Cooling Method	External Chiller (Medium deionized water, distilled water or purified water)		
Water Tank capacity	16L (need to add 14-15L)		
Dimensions of Machine	1300*1400*1800mm		
Net Weight	420kg(Main chassis) + 50kg(Chiller)		



Welding Effect



FULLY ENCLOSED PLATFORM AUTOMATIC LASER WELDING MACHINE

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SMALL AND MEDIUM-SIZED WORKPIECES/COMPLEX WORKPIECES AUTOMATIC IN-LINE WELDING

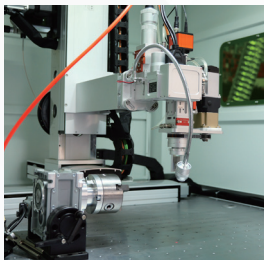
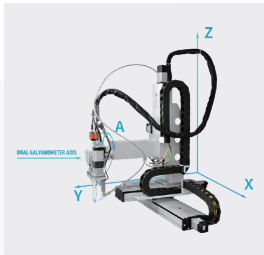
Features >>>

- 9-axis linkage intelligent motion trajectory.
- One-click quick positioning, reducing manual debugging, higher efficiency.
- Automatic recognition and calibration of welds to improve the yield rate of workpieces.
- Automatic replenishment of abnormal broken wires more flexible operation.
- Optional laser ranging, automatic focus, batch welding, stable process.



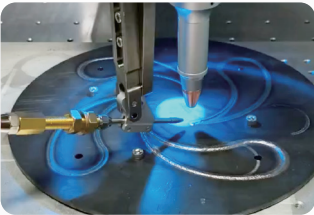
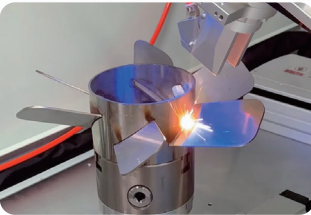
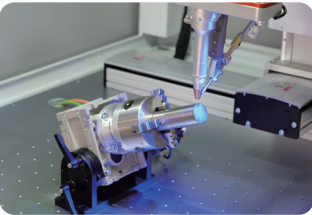
Parameter >>>

Model	DLW-1500A	DLW-2000A	DLW-3000A
Laser Power	1500W	2000W	3000W
Laser Mode	Continuous/Modulated		
Laser Wavelength	1080±10nm		
Max. Frequency	20kHz		
Welding Width	1-5mm		
Welding Depth	4mm	5mm	8mm
Workbench Size	1300*970mm		
X*Y*Z Stroke	800*400*400mm		
Input Voltage	AC 220V±10%, 50/60Hz		AC 380V±10%, 50/60Hz
Input Power	8000W	10000W	13000W
Cooling Method	External Chiller (Medium deionized water, distilled water or purified water)		
Water Tank Capacity	16L (need to add 14-15L)		
Machine Dimension	1580*1440*1900mm		
Package Dimension	1800*1600*2100mm		
Net Weight	580kg (Machine) + 50kg (Chiller)		



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*Due to product update iterations, there will be differences in appearance and parameters, please refer to the latest product in kind.

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