SINCE 2004

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· SMART INTERCONNECTION
· ANTI-FREEZE TECHNOLOGY

SFX®

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.







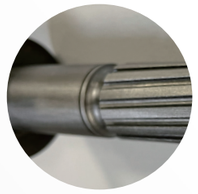
CONTENT

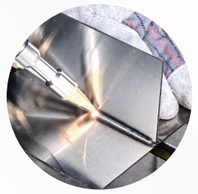
Laser Cleaner

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Munich, Ratingen

4
Chinese Warehouses
North, Central 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

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

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

Features

- Wide area cleaning- up to 400mm 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.



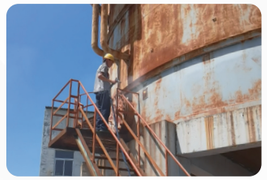
Parameter

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（customizable 15m）		15m		20m	15-20m
Scan Width	10-250mm	10-300mm	10-400mm			10-500mm
Input Voltage	AC220V±10%		AC 3-phase 220V		AC 3-phase 380V+/-7%	
Input Power	8kW	10kW	11kW		13kW	20kW
Cooling Method	Water cooling (medium:deionized water, distilled water or purified water)					
Water Tank Capacity	16L（need to add 14-15L water）		18L（need to add 14-15L water）			40L
Return water flow	13L/min		25L/min			90L/min
Machine Dimension	900*490*662mm		1050*650*1070mm			1200*630*1200mm
Net Weight	115kg	118kg	206kg	232kg	206kg	250kg
Gross Weight	145kg	150kg	241kg	262kg	241kg	289kg

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

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WIDE SCANNING RANGE/SMART INTERCONNECTION / ANTI-FREEZE TECHNOLOGY

Features

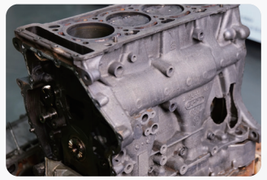
- Wide area cleaning- up to 400mm swing width.
- Anti-Freeze Technology protects the laser source from low-temperature damage.
- Smart Connection Enables remote control and online diagnostics.
- Double-wobble intelligent laser head supports switching between 7 cleaning patterns.
- Remote Support. Get instant help from our technical team online.

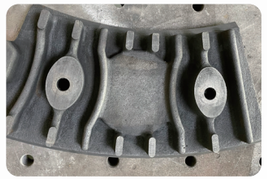


Parameter

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）	20m	
Scan Width	10-300mm	10-400mm	
Input Voltage	AC220V±10%	AC 3-phase 220V	AC 3-phase 380V+/-7%
Input Power	10kW	13kW	
Cooling Method	Water cooling (medium:deionized water, distilled water or purified water)		
Water Tank Capacity	16L（need to add 14-15L water）	18L（need to add 14-15L water）	
Return water flow	13L/min	25L/min	
Machine Dimension	900*490*662mm	1050*650*1070mm	
Packaging Dimension	1120*565*1050mm	1430*720*1120mm	
Net Weight	118kg	232kg	206kg
Gross Weight	150kg	262kg	241kg

Cleaning Effect



AIR-COOLED CONTINUOUS LASER CLEANER CONTINUOUS TYPE

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

Features

- Lightweight, energy-saving, maintenance-free.
- Integrated air-cooling structure,volume only 0.15m³.
- 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/Modulation
Max. Frequency	10KHz
Fiber Cable Length	10m
Scan Width	10-250mm (standard F500 focusing lens)
Input Voltage	AC 220V±10%, 50/60Hz
Input Power	5kW
Rated current	21A
Cooling Method	Air cooling
Ambient Temperature	0-35°C
Ambient Humidity	40%-80%
Machine Dimension	580*430*630mm
Package Dimension	700*500*770mm
Net Weight	51kg
Gross Weight	67kg



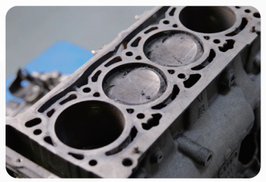


Cleaning Effect









HANDHELD LASER CLEANER PULSED TYPE

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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
Laser Power	500W	1000W
Laser Mode	Pulsed	
Laser Wavelength	1060-1080nm	
Pulse Width	10-500ns	
Frequency Range	1-1000kHz	
Fiber Cable Length	10m	
Swing Range	10-100mm (F254 Len Standard)	
Cooling Method	Water Cooling	
Input Voltage	AC 220V±10%, 50/60Hz	
Input Power	<4000W	<7000W
Anti-Reflection Protection	Yes	
Ambient Temperature	0-35℃	
Ambient Humidity	⩽ 80%	
Machine Dimension	1010*600*1010mm	1050*670*1070mm
Net Weight	170kg	228kg

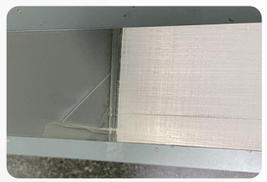


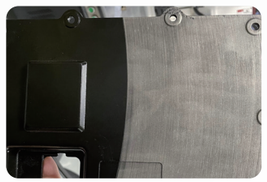


Cleaning Effect









SEC® LASER

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 structure. Volume only 0.15m³.
- 6 preset cleaning processes + 3 custom ones.
- Double-wobble Cleaning Head Swing width up to 190mm.
- Handheld and self-propelled modes can accurately locate the focal length and clean more evenly.

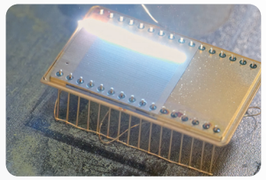
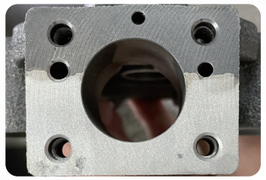
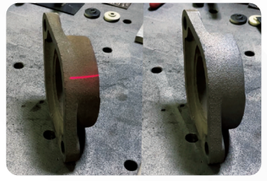
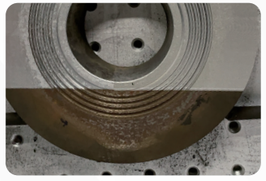


	Outstanding Advantages	Wood Cleaning	Mould Cleaning	Removal of Oxide Film and Surface Roughening of Highly Reflective Materials
AGC SERIES	The AGC series uses super-focused spot topology technology, which has more outstanding advantages in removing oxide films and surface roughening of highly reflective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

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	AC110-220±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

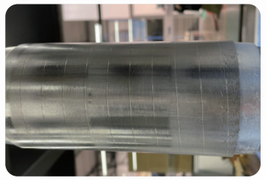





APC Parameter

Model	APC-200(IOT)	APC-200(IOT+)	APC-300(IOT)	APC-300(IOT+)	APC-500(IOT)	APC-500(IOT+)
Laser Power	200W		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	AC110-220±10%, 50/60Hz					
Input Power	1.5kW		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	≤55kg	≤57kg	≤54kg	≤56kg	≤44kg	≤46kg
Gross Weight	≤71kg	≤73kg	≤70kg	≤72kg	≤62kg	≤64kg

Cleaning Effect



PLATFORM AUTOMATIC LASER CLEANING MACHINE PULSED TYPE

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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.



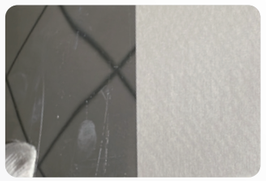
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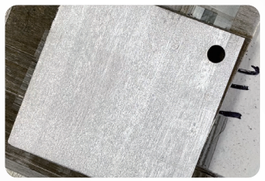
Model	DLC-200	DLC-300	DLC-500
Laser Power	200W	300W	500W
Laser Mode	Pulsed		
Laser Wavelength	1064±10nm		
Pulse Width	10-500ns		
Frequency Range	1-4000kHz	1-1000kHz	
Swing Range	10-250mm/Standard with 330mm lens (Optional size 10-175mm/254mm lens, size 10-300mm/420mm lens)		
Cooling Method	Air cooling	Air/Water Cooling	Water Cooling
Workbench Size	1200*1000mm		
XYZ Stroke	800*300*300mm		
Input Voltage	AC 220V±10%, 50/60Hz		
Input Power	<3000W	<3500W	<5000W
Water Tank Capacity	16L (14-15L of water to be added)		
Machine Dimension	1200*1000*1700mm		
Package Dimension	1800*1400*1900mm		
Net Weight	460kg		

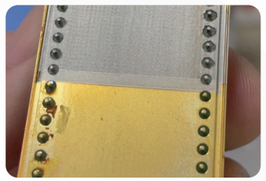




Cleaning Effect









FULLY ENCLOSED PLATFORM AUTOMATIC LASER CLEANING MACHINE PULSED TYPE

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SMALL AND MEDIUM-SIZED WORKPIECES/COMPLEX WORKPIECES AUTOMATIC ONLINE 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.



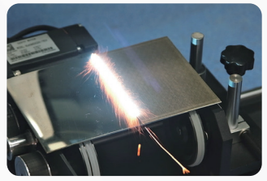
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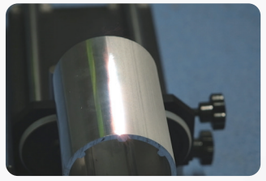
Model	DLC-200A	DLC-300A	DLC-500A
Laser Power	200W	300W	500W
Laser Mode	Pulsed		
Laser Wavelength	1064±10nm		
Pulse Width	10-500ns		
Frequency Range	1-4000kHz	1-3000kHz	
Swing Range	Standard Configuration Lens 330mm, Swing Area 10-250mm. (Optional Lens 254mm, Swing Area 10-175mm / 420mm, Swing Area 10-300mm)		
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		
Machine Size	1580*1440*1900mm		
Packing Size	1800*1600*2100mm		
Net Weight	580kg (Machine) 50kg (Chiller)		

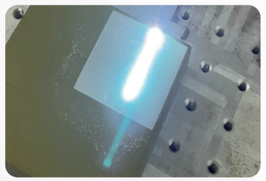


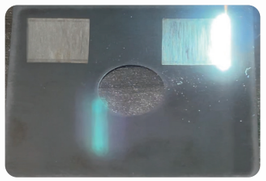


Cleaning Effect









TROLLEY CASE LASER CLEANER PULSED TYPE

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FLEXIBLE AND EASY TO CARRY

Features

- Integrated trolley case design, small size and easy to carry.
- A variety of laser graphics and tracks are optional, and there is no dead space for cleaning.
- Collimated laser beam output, accurate control, precise cleaning.
- Optional self-propelled function makes it easy for uniform and automatic cleaning.



Parameter

Model	LGC-200	LGC-300	LGC-500
Laser Power	200W	300W	500W
Laser Mode	Pulse		
Fiber Cable Length	5m (Customizable)		
Cooling Method	Air Cooling		
Input Voltage	AC110~220V±10%, 50/60Hz		
Input Power	<1000W	<1500W	<2500W
Anti-Reflection Protection	Yes		
Ambient Temperature	0-35℃		
Ambient Humidity	10%-80%		
Handheld Laser Head	0.87kg		0.9kg
Machine Dimension	610*440*330mm		
Net Weight	30kg		

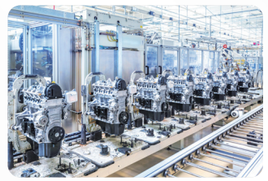




Pulsed Laser Cleaner Applications

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

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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.

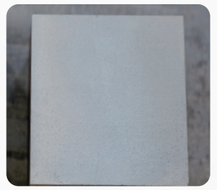


Parameter

Model	JF-500
Input Voltage	AC110~220V±10%, 50/60Hz
X-axis Travel	500mm
Z-axis Travel	500mm
Running Speed	⩽ 40mm/s
Packaging Size	800*340*380mm (L*W*H)
Net Weight	21kg
Gross Weight	34kg



Unstable hand holding



Cleaning with auxiliary device



2 IN 1 LASER WELDING MACHINE

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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

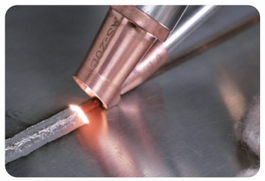
Model	SLW-1500	SLW-2000	SLW-3000
Laser Power	1500W	2000W	3000W
Laser Mode	Continuous/Modulation		
Laser Wavelength	1080±10nm		
Max. Frequency	5KHz		
Welding Width	0-6mm		
Fiber Cable Length	10-15m（customizable）		20m
Input Voltage	AC 220V±10%, 50/60Hz		AC 380V±7%, 50/60Hz
Input Power	<8000W	<10000W	<13000W
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



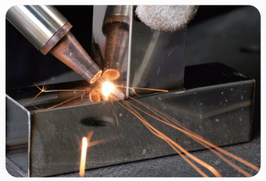


Welding Effect









AIR-COOLED HANDHELD LASER WELDING MACHINE

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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 650g.
- Practical welding cart, designed for SFX air-cooled welding machine.



Parameter

Model	ALW-1200A
Laser Mode	Continuous/Pulse/Modulation/Linear/Timing
Laser Swing	0-5mm
Applicable Welding Wire Diameter	0.8mm, 1.0mm, 1.2mm, 1.6mm
Welding Gun Weight	650g
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)

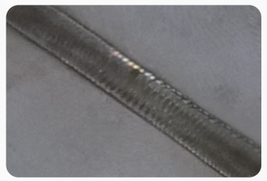


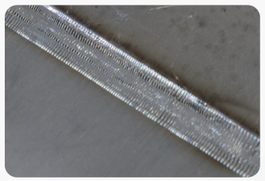


Welding Penetration

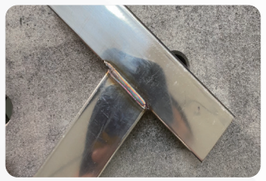
Welding Materials	Stainless Steel	Carbon Steel	Galvanized Sheet	Aluminum	Brass	Copper
Single-side melting depth (mm)	4.0	4.0	4.0	4.0	1.5	1.5
Double-sided melting depth(mm)	8.0	8.0	8.0	8.0	3.0	3.0

Weld Bead Cleaning





Welding Effect





INTEGRATED AIR-COOLED LASER WELDING MACHINE

INTEGRATED DESIGN TRULY INTEGRATED BODY FOR EASIER MOBILITY AND OPERATION

Features

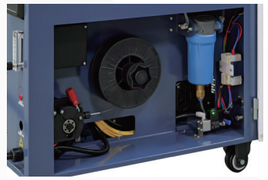
- Self-generates protective gas, no external gas required.
- Long-lasting welding without overheating or hand burn.
- Dual welding modes flexible design for multiple operational needs.
- One-click switch to weld seam cleaning.
- The welding speed is 4-10 times faster than traditional welding.



Parameter

Model	ALW-1400
Laser Mode	Continuous/Pulse/Modulation/Linear/Timing
Laser Swing	0-5mm
Applicable Welding Wire Diameter	0.8mm, 1.0mm, 1.2mm, 1.6mm
Welding Gun Weight	650g
Input Voltage	AC 220V±10%, 20A, 50/60Hz
Rated Power	5kW
Machine Dimension	850*550*750mm
Machine Volume	0.37m³
Net weight	94kg

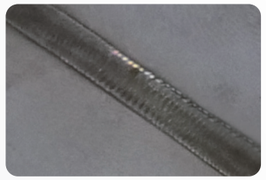


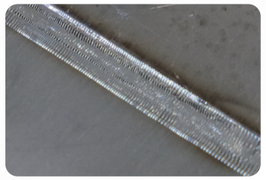


Welding Penetration

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	1.5
Double-sided of fusion on one side(mm)	9.0	9.0	9.0	7.5	4.0	4.0

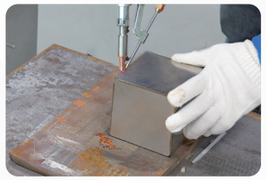
Weld Bead Cleaning





Welding Effect





PLATFORM AUTOMATIC LASER WELDING MACHINE

Scan QR Code to Watch Videos

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

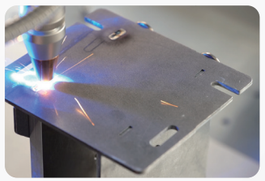
Model	DLW-1500	DLW-2000	DLW-3000
Laser Power	1500W	2000W	3000W
Laser Mode	Continuous/Modulation		
Laser Wavelength	1080±10nm		
Workbench Size	1200*1000mm(Can be customized)		
XYZ Stroke	800*400*400mm		
Spot Parameters	Ring (Other shapes are optional)/ 0-5mm		
Input Voltage	AC 220V±10%, 50/60Hz		AC 380V±7%, 50/60Hz
Input Power	8000W	10000W	13000W
Cooling Method	External Chiller (Medium deionized water, distilled water or purified water)		
Machine Dimension	1200*1000*1700mm		
Net Weight	400kg (actual weight depending on configuration)		

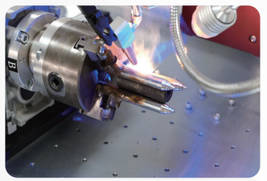


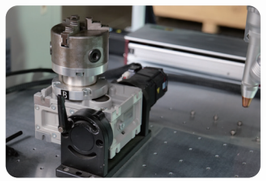


Welding Effect









SFDC® LASER

FULLY ENCLOSED PLATFORM AUTOMATIC LASER WELDING MACHINE

Scan QR Code to Watch Videos

SMALL AND MEDIUM-SIZED WORKPIECES/COMPLEX WORKPIECES AUTOMATIC ONLINE WELDING

Features

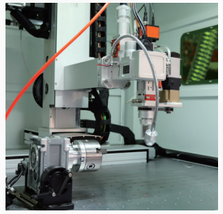
- 9-axis linkage intelligent motion trajectory.
- One-click quick positioning, reducing manual debugging, higher efficiency.
- Automatic recognition and calibration of welds to improve the yield rate of workpieces.
- Automatic replenishment of abnormal broken wires more flexible operation.
- Optional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



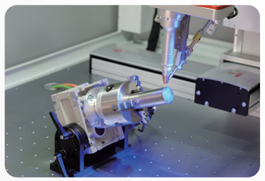
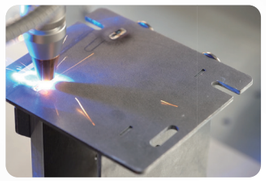
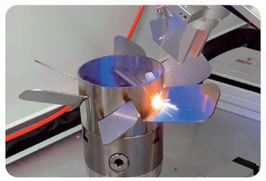
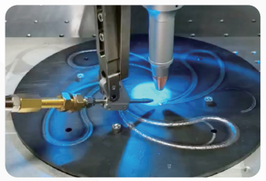
Parameter

Model	DLW-1500A	DLW-2000A	DLW-3000A
Laser Power	1500W	2000W	3000W
Laser Mode	Continuous/Modulation		
Laser Wavelength	1080±10nm		
Max. Frequency	20KHz		
Welding Width	1-5mm		
Welding Depth	4mm	5mm	8mm
Workbench Size	1300*970mm		
XYZ Stroke	X*Y*Z 800*400*400mm		
Input Voltage	AC220V±10%, 50/60Hz		AC380V±10%, 50/60Hz
Input Power	8000W	10000W	13000W
Cooling Method	External Chiller (Medium deionized water, distilled water or purified water)		
Water Tank Capacity	16L		
Machine Dimension	1580*1440*1900mm		
Package Dimension	1800*1600*2100mm		
Net Weight	580kg (Machine) 50kg (Chiller)		





Welding Effect

Quality Products Move The World

Provide solutions for automated laser cleaning

Customized Service

Provide customized laser cleaning and welding solutions in various fields:

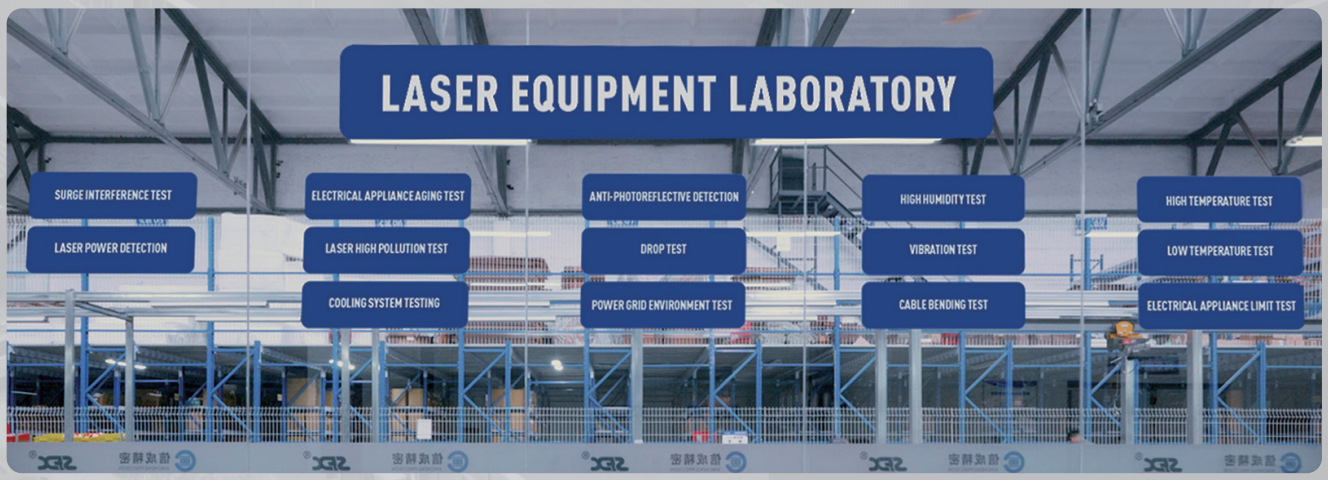





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Professional Test

Reliable, stable and durable quality, passed many strict tests in the industry





*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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