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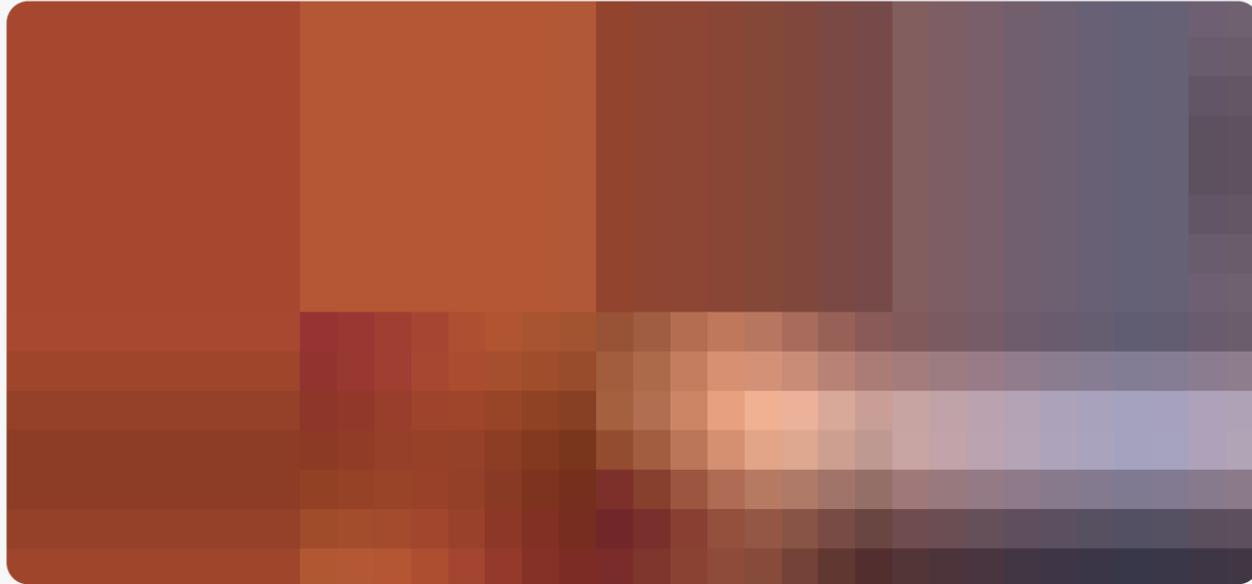
- **SMART INTERCONNECTION**
- **ANTI-FREEZE TECHNOLOGY**



PROVIDE SOLUTIONS FOR AUTOMATED LASER CLEANING & LASER WELDING

LASER CLEANER / LASER WELDER

LUOYANG XINCHENG PRECISION MACHINERY CO., LTD.



**FACTORY
FACILITIES**

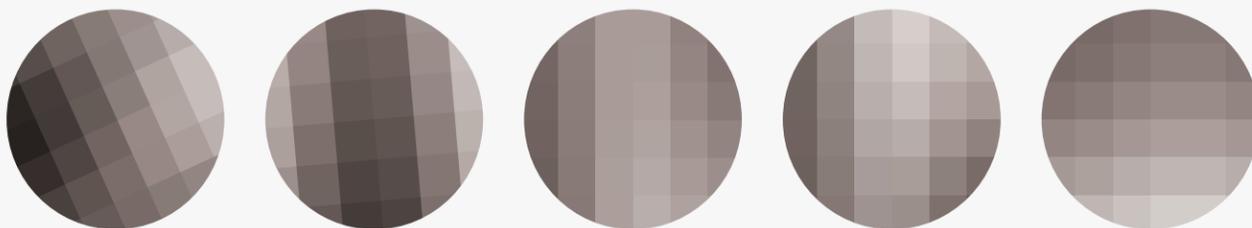
CONTENT

Laser Cleaner

Integrated Laser Cleaner	2
Air-cooled Continuous Laser Cleaner	3
Air-cooled Pulse Laser Cleaning Machine	4
Air-cooled Pulse Laser Mould Cleaning Machine	6
Handheld Laser Cleaner	7
Platform Automatic Laser Cleaning Machine	8
Fully Enclosed Platform Automatic Laser Cleaning Machine	9
Backpack Laser Cleaner	10
Trolley Case Laser Cleaner	11
Laser Cleaning Auxiliary Device	12

Laser Welder

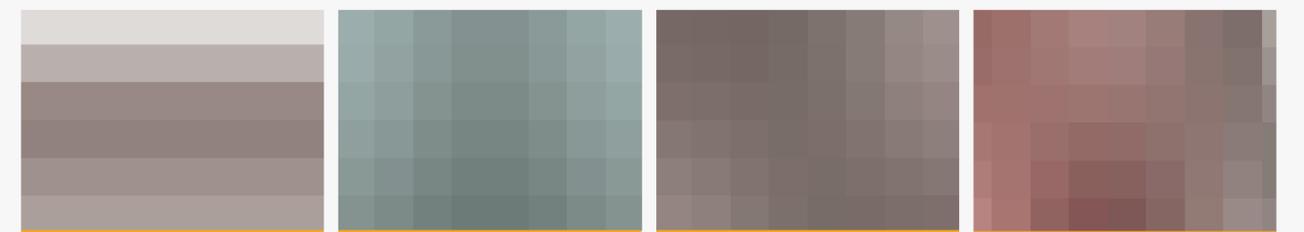
2 in 1 Laser Welding Machine	13
Air-cooled Handheld Laser Welding Machine	14
Platform automatic laser welding machine	15
Fully Enclosed Platform Automatic Laser welding machine	16



2	4	7	80+	200+
European Warehouses Munich	Chinese Warehouses North, Central and South China	American Warehouses New Jersey, Kentucky, Texas, California 1, 2, 3	Countries and Regions Worldwide Sales	Global Employees Talented Educated Dedicated

As our world has transformed to be internet and online focused, SFX has embraced distribution on platforms such as: Amazon, Ebay, Newegg and Walmart.

We currently export to 80+ countries and regions to include: USA, Canada, Germany, S. Korea, India, UK and Italy.



INTEGRATED LASER CLEANER CONTINUOUS TYPE

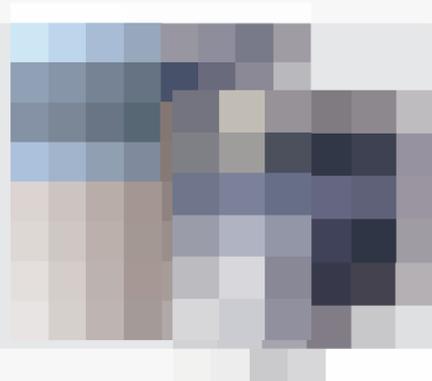
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CONTINUOUS WORKING WITHOUT BURNING THE LENS ; FLEXIBLE TO MOVE AND EASY TO CARRY

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.

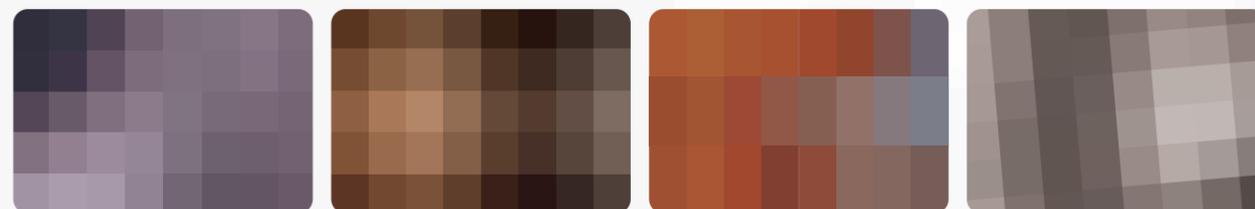


Parameter >>>

Model	SLC-1525	SLC-2030	SLC-3040	
Laser Power	1500W	2000W	3000W	
Laser Wavelength	1080±10nm			
Laser Mode	Continuous/Modulated			
Max. Frequency	20KHz			
Fiber Cable Length	10m (customizable 15m)		20m	
Scan Width	10-250mm	10-300mm	10-400mm	
Input Voltage	AC220V±10%		AC 3-phase 220V	AC 3-phase 380V+/-7%
Input Power	8kW	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	115kg	118kg	232kg	206kg
Gross Weight	145kg	150kg	262kg	241kg

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.

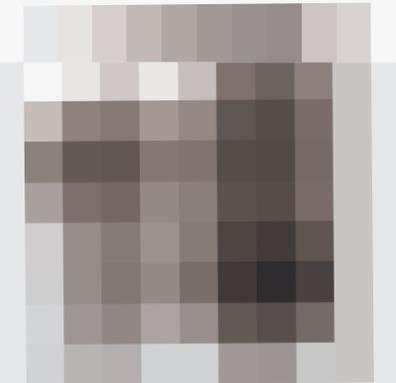


AIR-COOLED CONTINUOUS LASER CLEANER CONTINUOUS TYPE

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

Features >>>

- Lightweight, energy-saving, maintenance-free.
- Integrated air-cooling structure, volume only 0.15m³.
- 250mm wide cleaning. 7*24h continuous operation without lens burning.
- Smart Interconnection, remote control, online diagnosis.

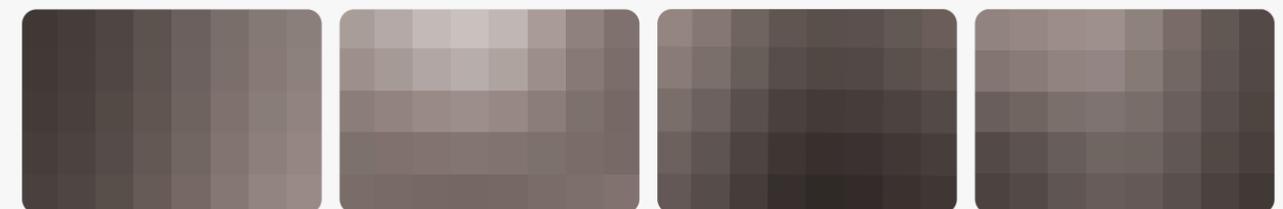


Parameter >>>

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 >>>



AIR-COOLED PULSE LASER CLEANING MACHINE PULSED TYPE

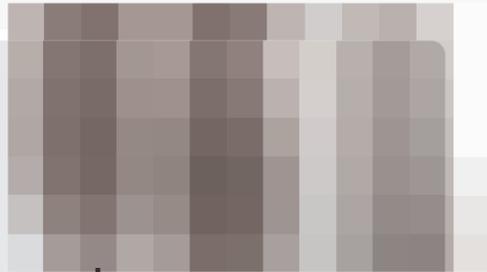
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HIGH-PRECISION AND FAST CLEANING. LIGHTWEIGHT, ENERGY-SAVING AND MAINTENANCE-FREE

Features >>>

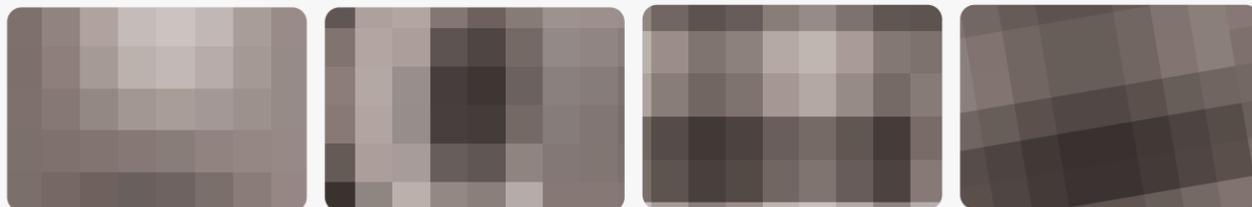
- Integrated air-cooled structure. Volume only 0.15m³.
- 6 preset cleaning processes + 3 custom ones.
- Double-wobble Cleaning Head Swing width up to 190mm.
- Handheld and self-propelled modes can accurately locate the focal length and clean more evenly.



AGC Parameter >>>

Model	AGC-300	AGC-300A	AGC-300B	AGC-300C	AGC-500	AGC-500A	AGC-500B	AGC-500C
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	0-35°C							
Ambient Humidity	40%-80%							
Machine Dimension	580*430*630mm							
Packaging Dimension	700*500*770mm							
Net Weight	52kg	54kg	56kg	64kg	66kg	66kg	68kg	68kg
Gross Weight	68kg	70kg	72kg	80kg	82kg	82kg	84kg	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 spottopology 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

APC Parameter >>>

Model	APC-200	APC-200A	APC-200B	APC-200C	APC-300	APC-300A	APC-300B	APC-300C
Laser Power	200W				300W			
Laser Wavelength	1070±10nm							
Laser Mode	Pulsed							
Self-propelled function	×	√	×	√	×	√	×	√
Smart Interconnection	×	×	√	√	×	×	√	√
Pulse Width	10-500ns							
Frequency Range	1-3000khz				1-4000khz			
Fiber Cable Length	5m (Customizable)							
Swing Width	0-100mm							
Input Voltage	AC110-220±10%, 50/60Hz							
Input Power	1.5kW				2kW			
Cooling Method	Air cooling							
Ambient Temperature	0-35°C							
Ambient Humidity	40%-80%							
Machine Dimension	580*430*630mm							
Packaging Dimension	700*500*770mm							
Net Weight	53kg	55kg	57kg	52kg	52kg	54kg	56kg	56kg
Gross Weight	69kg	71kg	73kg	68kg	68kg	70kg	72kg	72kg

Cleaning Effect >>>

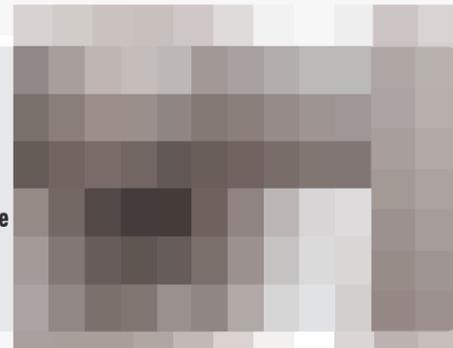


AIR-COOLED PULSE MOULD LASER CLEANING MACHINE PULSED TYPE

MOLD CLEANING SPECIALISTS WITH ZERO DAMAGE TO SUBSTRATE SURFACES

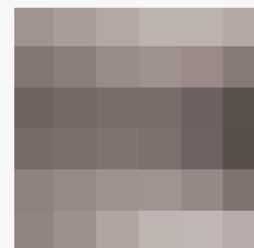
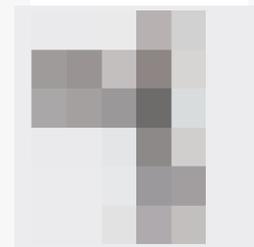
Features >>>

- Integrated air-cooled structure. Volume only 0.15m³.
- 6 preset cleaning processes + 3 custom ones.
- High-precision and fast cleaning. Lightweight, energy-saving and maintenance-free
- Smart Connection Enables remote control and online diagnostics.



AGC Parameter >>>

Model	MPC-200	MPC-300
Laser Power	200W	300W
Laser Wavelength	1070±10nm	
Laser Mode	Pulsed	
Pulse Width	10-500ns	
Frequency Range	1-3000khz	
Fiber Cable Length	5m (Customizable)	
Swing Width	0-100mm	
Input Voltage	AC110-220±10%, 50/60Hz	
Input Power	1.5kW	
Cooling Method	Air cooling	
Ambient Temperature	-5°C-35°C	
Ambient Humidity	40%-80%	
Machine Dimension	580*430*630mm	
Packaging Dimension	700*500*770mm	
Net Weight	57kg	56kg
Gross Weight	73kg	72kg



Cleaning Effect >>>



HANDHELD LASER CLEANER PULSED TYPE

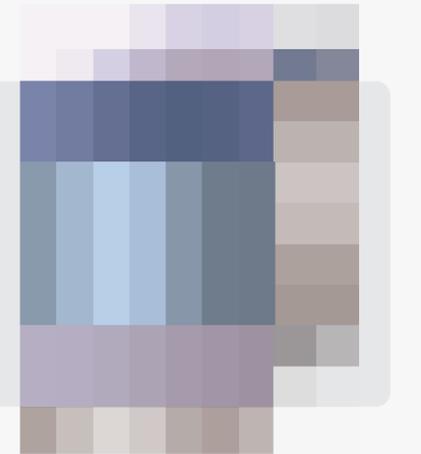
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WIDE CLEANING RANGE, WITHOUT DAMAGE TO THE SUBSTRATE, SUITABLE FOR FINE CLEANING

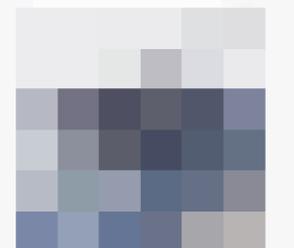
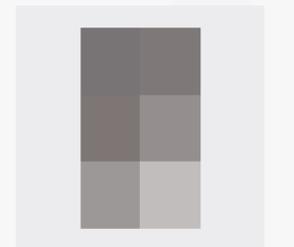
Features >>>

- 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.

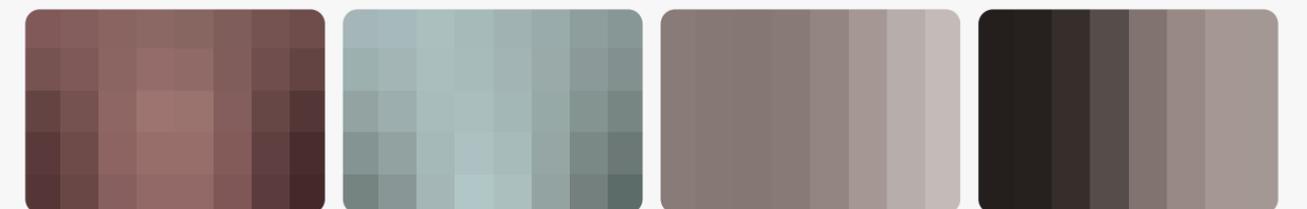


Parameter >>>

Model	BPC-300	BPC-500	BPC-1000
Laser Power	300W	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	<3000W	<4000W	<7000W
Anti-Reflection Protection	Yes		
Ambient Temperature	0-35°C		
Ambient Humidity	≤ 80%		
Machine Dimension	1010*600*1010mm		1050*670*1070mm
Net Weight	160kg	170kg	228kg



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.

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	10-250mm/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.

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		
Machine Size	1580*1440*1900mm		
Packing Size	1800*1600*2100mm		
Net Weight	580kg (Machine) 50kg (Chiller)		

Cleaning Effect >>>



BACKPACK LASER CLEANER PULSED TYPE

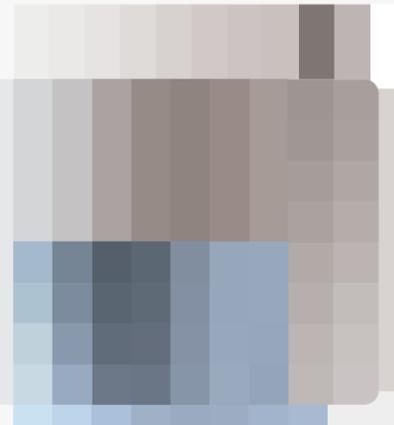
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BACKPACK DESIGN, ERGONOMIC AND REDUCES OPERATING LABOR INTENSITY

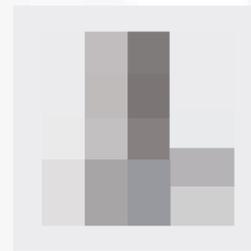
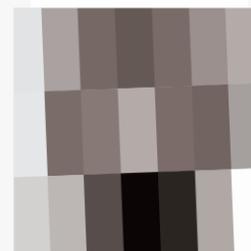
Features >>>

- The cleaning head is only 750g Light to hold with fast cleaning.
- Lightweight backpack design, easy to carry.
- Optional battery, convenient for outdoor work.
- Optional self-propelled function makes it easy for uniform & automatic cleaning.

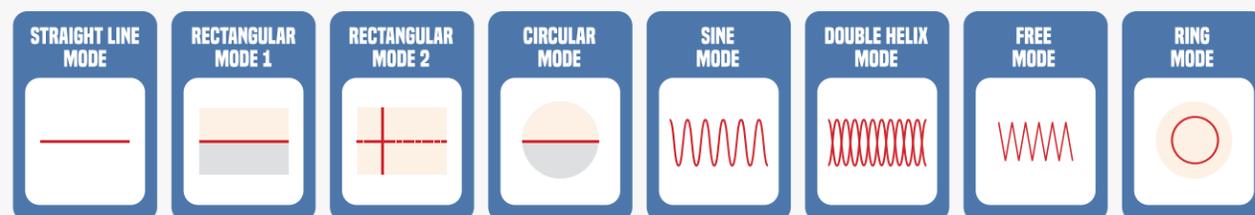


Parameter >>>

Model	FGC-200	FGC-200A
Laser Power	>200W	
Laser Mode	Pulsed	
Movement Mode	Carrying	
Self-propelled Device	×	✓
Fiber Cable Length	1.5m	
Lens Focal Length	254mm Standard Configuration, 160mm/210mm Optional	
Swing Range	10-80mm(160mm), 10-100mm(210mm), 10-130mm(254mm)	
Cooling Method	Air Cooling	
Power Supply	Direct power supply / battery power supply	
Input Voltage	AC110~220V±10%, 50/60Hz	
Input Power	<1000W	
Battery Powered	Lithium battery design(optional). Continuously work at full power for 1 hour	
Anti-reflection Protection	Yes	
Ambient Temperature	0°C -40°C	
Storage Temperature	-10°C -60°C	
Machine Dimension	400*582*155 mm	
Cleaning Head Weight	0.62kg	
Total Carrying Weight	21kg	



8 Cleaning Modes >>>



TROLLEY CASE LASER CLEANER PULSED TYPE

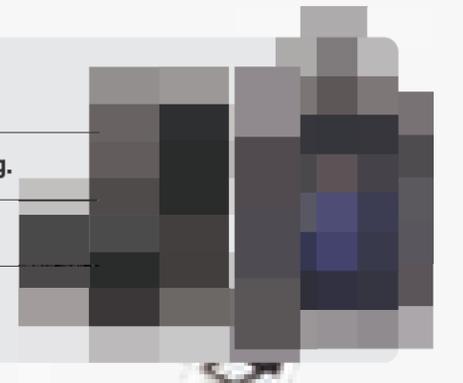
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FLEXIBLE AND EASY TO CARRY

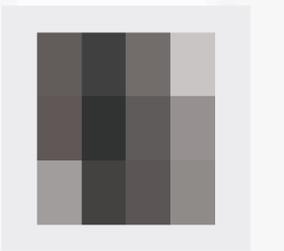
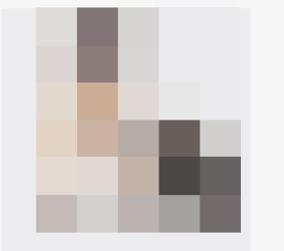
Features >>>

- 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-200A
Laser Power	200W	
Laser Mode	Pulse	
Self-propelled function	×	✓
Fiber Cable Length	5m (Customizable)	
Cooling Method	Air Cooling	
Input Voltage	AC110~220V±10%, 50/60Hz	
Input Power	<1000W	
Anti-Reflection Protection	Yes	
Ambient Temperature	0-35°C	
Ambient Humidity	10%-80%	
Handheld Laser Head	0.62kg	
Machine Dimension	660*500*330mm	
Net Weight	39kg	40kg



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 >>>

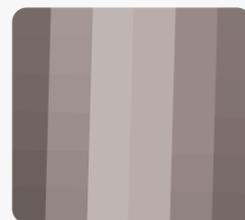
- Stable Operation, even Cleaning, high Smoothness.
- Can realize reciprocation, fixed distance, following, etc. 9 cleaning operation modes.
- Multi-angle Adjustable, can also be used with a rotary axis for rotational cleaning.

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

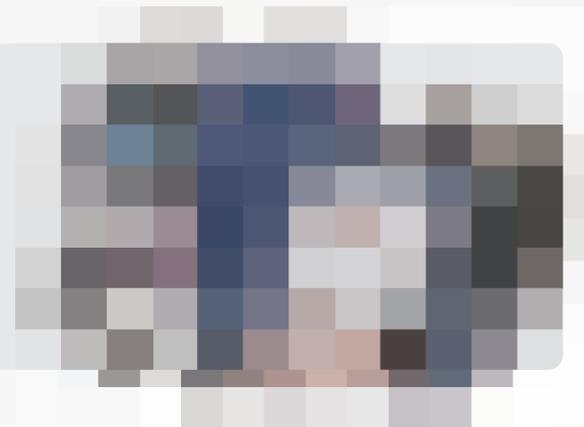
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EASY TO CARRY, HIGHLY INTELLIGENT, 30-MINUTE EASY START WITH ZERO EXPERIENCE

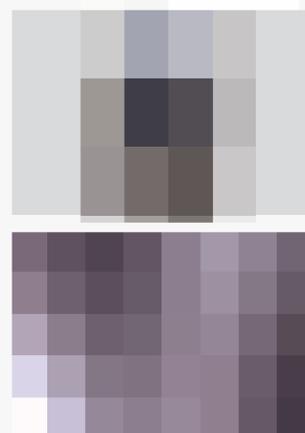
Features >>>

- 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 >>>

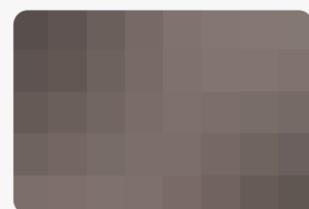
Model	ALW-1200A
Laser Mode	Continuous/Pulse/Modulation/Linear/Timing
Laser Swing	0-5mm
Applicable Welding Wire Diameter	0.8mm, 1.0mm, 1.2mm, 1.6mm
Welding Gun Weight	650g
Protective Gas	Argon, nitrogen (0.2-0.6MPa)
Input Voltage	AC 220V±10%, 50/60Hz
Rated Power	4kW
Machine Dimension	550*320*550mm
Machine Volume	0.1m ³
Net weight	32kg (wire feeder weight 10kg)



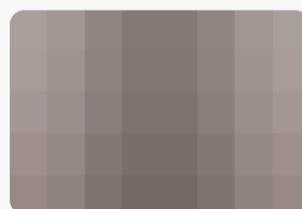
Welding Penetration >>>

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 >>>



PLATFORM AUTOMATIC LASER WELDING MACHINE

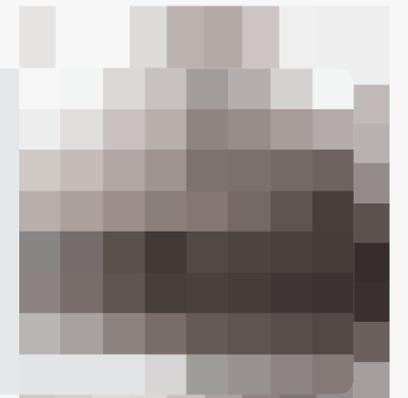
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HIGH-PRECISION 5-AXIS LINKAGE

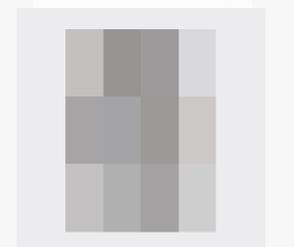
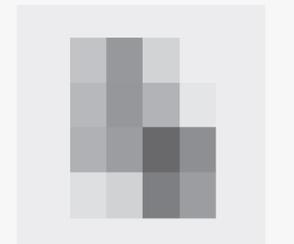
Features >>>

- 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.

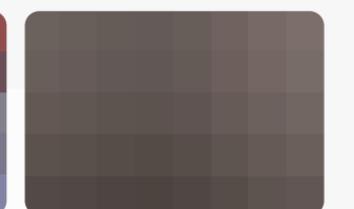
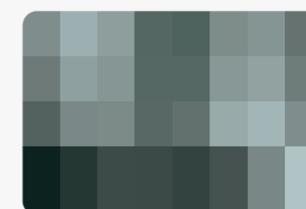


Parameter >>>

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 >>>



FULLY ENCLOSED PLATFORM AUTOMATIC LASER WELDING MACHINE

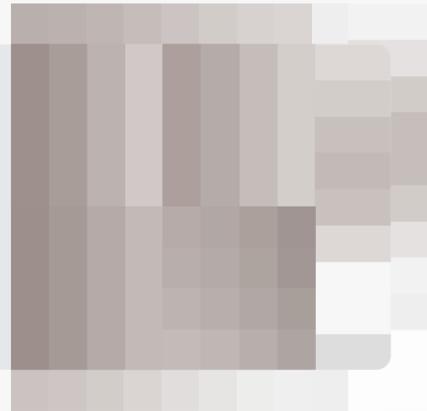
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SMALL AND MEDIUM-SIZED WORKPIECES/COMPLEX WORKPIECES AUTOMATIC ONLINE WELDING

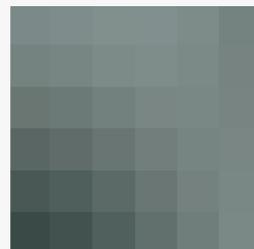
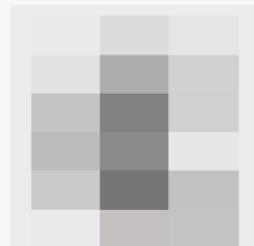
Features >>>

- Full range of CNC systems. Cross-stage stability, smoother welding.
- Intelligent motion trajectory. Seven-axis Linkage, double pendulum galvanometer.
- Combined with assembly line communication to achieve fully automatic online welding.
- Equipped with a robotic arm to realize automatic replacement of dual stations.

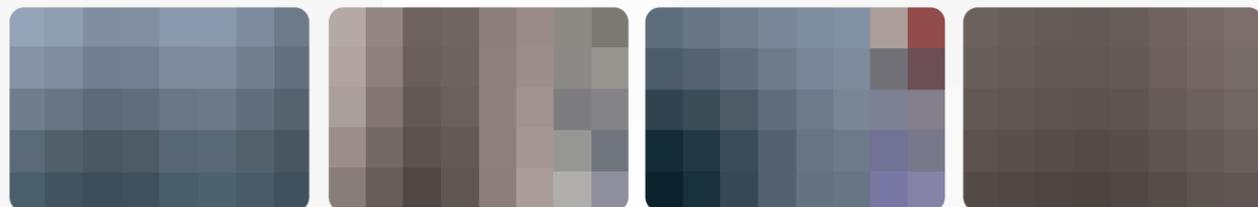


Parameter >>>

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)		



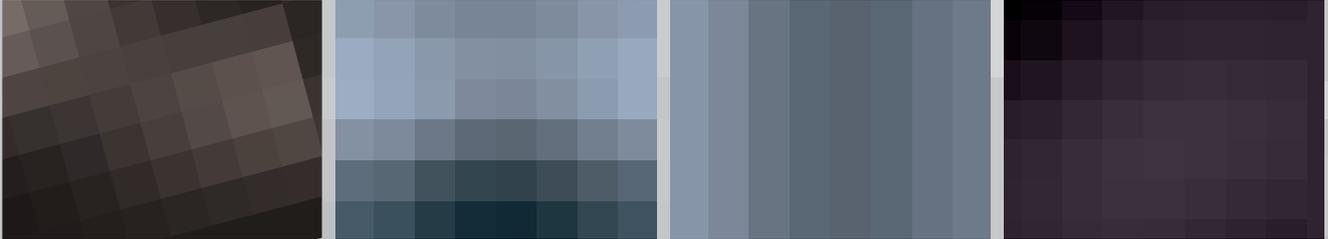
Welding Effect >>>





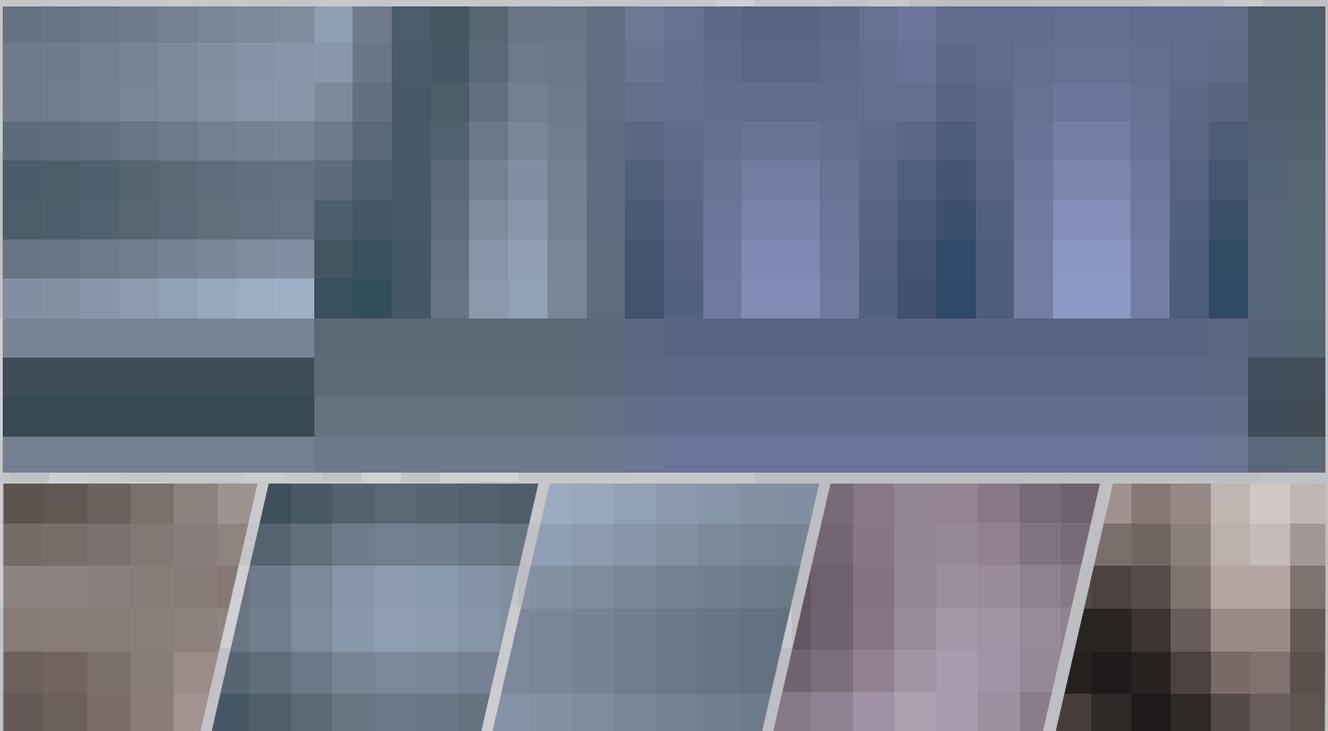
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Professional Test Reliable, stable and durable quality, passed many strict tests in the industry



*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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