SFX LASER

LASER CLEANER / LASER WELDER/ LASER ENGRAVER

WWW.SFXLASER.COM

DIRECTORY

Quality Products Move The World

COMPANY PROFILE

· Factory Facilities

· International Certification and Trademark

· Business Territory

· Global After-sales
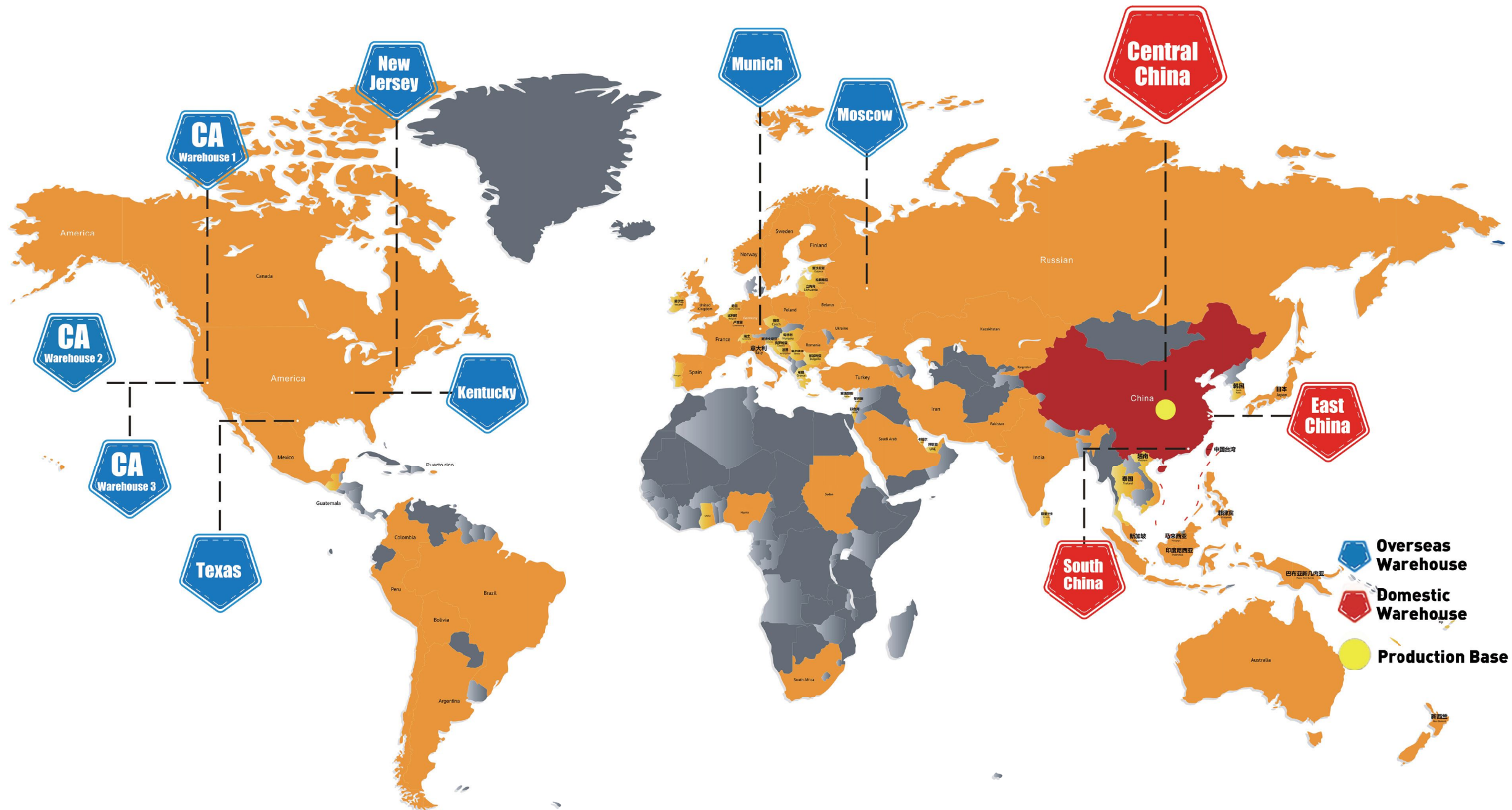
· Professional Test

FACTORY
FACILITIES

INTERNATIONAL CERTIFICATION
AND TRADEMARK

Products have passed multiple certifications in EU and US

BUSINESS TERRITORY

New Jersey

CA Warehouse 1

Munich

Moscow

Central China

CA Warehouse 2

Kentucky

East China

CA Warehouse 3

Texas

South China

Overseas Warehouse

Domestic Warehouse

Production Base

2

European Warehouses

Munich
Moscow

3

Chinese Warehouses

North, Central and South China

5

American Warehouses

New Jersey, Kentucky, Texas, California 1, 2, 3

84

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 84 countries and regions to include: USA, Canada, Germany, S. Korea, India, UK and ltaly.

GLOBAL AFTER-SALES

ISO 9001-2015 COMPLIANCE

Testing according to ISO and best practices back our products.

After-sales Center in North America

12 Hours Quick Response
For USA technical or warranty support contact!

Industrial Print & Laser
- 247 Cayuga Rd. 25C Buffalo NY 14225
- 716.400.8966
- service@printandlaser.com

IPL INDUSTRIAL PRINT & LASER

| CONTAMINATION | INTERFERENCE | TEMPERATURE | VIBRATION |
| TIME DURATION | FATIGUE | HERMETIC SEAL | HUMIDITY |
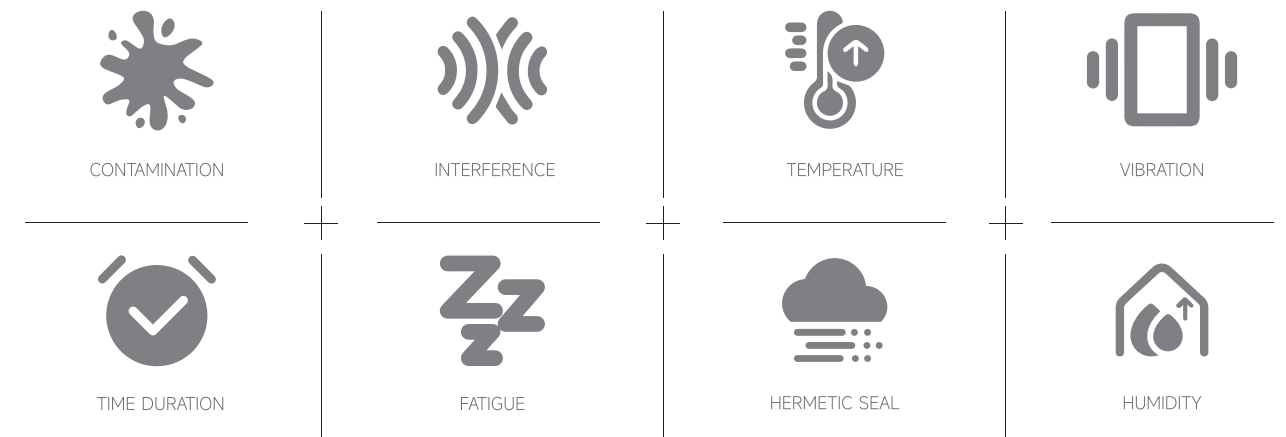
*Above is a partial sample of our extensive testing

After-sales Center in North America
📍 New York, USA

After-sales Center in Europe
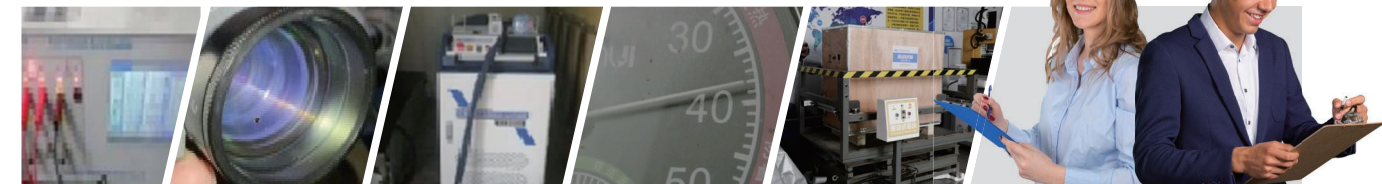📍 Munich Germany

Greater China After-sales Center
📍 Luoyang, China

BRAND NAME COMPONENTS

IPG PHOTONICS　　JPT　　Raycus FIBER LASER　　MAX

SINO-GALVO　　FEELTEK　　WAVELENGTH OPTO-ELECTRONIC　　JCZ　　RuiDa ACS

COHERENT　　reci　　Yongli　　S&A

PRODUCT CATALOG

LASER CLEANER

- Mobile
- Handheld
- Suitcase
- Backpack

LASER WELDER

- Mobile
- Platform Automatic

GALVO ENGRAVING LASERS

- CO2 / UV / FIBER

ENGRAVING / CUTTING LASERS

- CO2 Engraving and Cutting
- Hybrid Engraving and Cutting
- Fiber Laser Cutting

Continuous working without burning the lens. Flexible and easy to carry

MOBILE LASER CLEANER CONTINUOUS TYPE

INDUSTRIAL CABINET

LASER GUN

MOBILITY

SMALLER VOLUME

Features

The ideal replacement for sandblasting, abrasives and grinding.
Simple and quick complex surfaces with contoured complex surfacegeometry
Eliminate cost of blasting media, and costly abrasives.
Elimination of labor for component disassembly and re-assembly.
Lasered surface is paint ready.

- Robust industrial design supporting continuous operation
- Working width of laser beam adjustable 0.4"-6.3" wide
- Ergonomic and mobile, easy to move
- Integrated programmable laser cooling and continuous air flow pump
- Continuous operation causes no damage to the focal lens

Technical Parameters

Model	BLC-1000	BLC-1500	BLC-2000	BLC-3000
Laser Source Power	1000W	1500W	2000W	3000W
Wavelength	1080±10nm			
Operating Mode	Continuous/Modulation			
Max. Frequency	20KHz			
Integrated Cable Length	10-15m (customizable)			20m
Scan Width	10-160mm			
Voltage	AC 220V±10%			AC 380V±7%
Input Power	6kW	8kW	10kW	13kW
Cooling Method	Water cooling (deionized water, distilled water or purified water)			
Water Tank Capacity	16L (Add 14-15L water)			
Machine Dimension	845*460*605mm		905*480*630mm	1240*584*1148mm
Package Dimension	1120*565*1050mm			
Total Weight	138kg	145kg	169kg	285kg

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries

Mold cleaning, paint or coating stripping , parts pretreatment before spraying, aerospace component cleaning, oxide removal after welding or pretreatment before welding, oil stain and product residue removal, cultural relic cleaning and restoration, etc.

SFX LASER
PRODUCT CATALOGUE

Flexible and easy to carry

SUITCASE LASER CLEANER `PULSED TYPE`

LCM-100

LCM-200

Features ▶▶▶

Suit Case design, unlock and extend the handle to roll away.

- A variety of laser patterns and tracks are optional. No dead angle for cleaning
- Laser beam collimated output, precise control, precise cleaning
- Standard wireless micro-controller, which can set parameters from a distance

Technical Parameters ▶▶▶

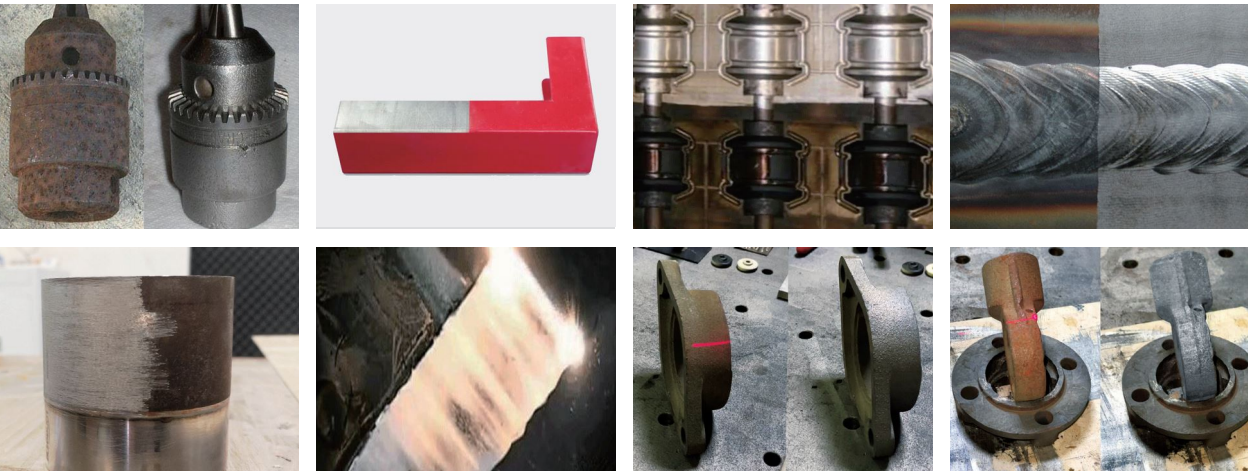| Model	LCM-100	LCM-200
Laser Power	100W	200W
Laser Wavelength	1080±10nm	
Laser Working Mode	Pulsed	
Pulse Width	10-500ns	
Frequency Range	1-3000kHz	
Fiber Cable Length	5m	
Adjustable Scanning Range	10-130mm（According to lens, 160/210/300 is optional)	
Cooling Method	Air Cooling	
Working Voltage	AC 110V/220V	AC 220V±10%
Power Consumption	<500W	<1000W
Anti-Reflection Protection	Yes	
Operation Temperature	0~35℃	
Operation Humidity	≤ 80%	
Machine Dimension	620*450*300mm	680*590*400mm
Net Weight	28kg	50kg

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Application and Use ▶▶▶

The pulsed laser configuration is especially well suited for the use on more fragile surfaces such as thin sheet metal, aircraft aluminum and any metal surface that cannot tolerate high temperature.

COMPATIBLE SURFACES: Carbon and Stainless Steel, Aluminum, Assorted Metals and some Nonmetals.

DEBRIS REMOVED: Rust, Paint, Plating, Oil, and more.

SFX LASER
PRODUCT CATALOGUE

Wide cleaning range, without damage to the substrate, suitable for fine cleaning

HANDHELD LASER CLEANER `PULSED TYPE`

Technical Parameters ▶▶▶

Model	LCM-300	LCM-500
Laser Power	300W	500W
Laser Wavelength	1080±10nm	
Laser Working Mode	Pulsed	
Pulse Width	10-500ns	
Frequency Range	1-1000kHz	
Fiber Cable Length	10m	
Adjustable Scanning Range	10-130mm（According to lens, 160/210/300 is optional)	
Cooling Method	Air Cooling/Water Cooling	Water Cooling
Working Voltage	AC 220V±10%	
Power Consumption	<3KW	<4KW
Anti-Reflection Protection	Yes	
Operation Temperature	0~35°C	
Operation Humidity	≤ 80%	
Machine Dimension	870*560*1050mm	
Net Weight	160kg	170kg

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Mold cleaning, paint or coating stripping , parts pretreatment before spraying, aerospace component cleaning, oxide removal after welding or pretreatment before welding, oil stain and product residue removal, cultural relic cleaning and restoration, etc.

Features ▶▶▶

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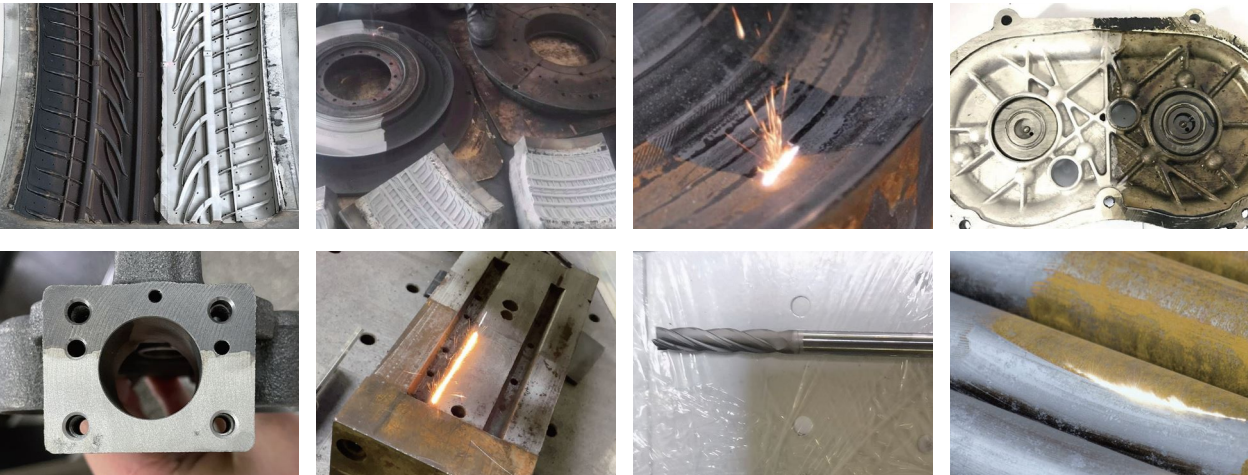- Extended IO can cooperate with manipulator to realize automatic cleaning

Backpack design, ergonomic and reduces operating labor intensity

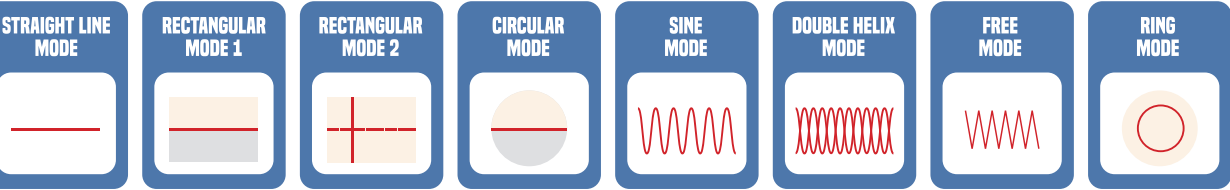# BACKPACK LASER CLEANER `PULSED TYPE`

Features ▶▶▶

Total weight about 16kg Compact structure, easy to work.
The cleaning head is only 750g Light to hold with fast cleaning
Lithium battery design Wireless mobile cleaning operation

- Lightweight backpack design, easy to carry
- Non-contact cleaning without mechanical damage
- No chemical pollution, no consumables, safe and environment friendly
- Optional battery, convenient for outdoor work

8 Cleaning Modes ▶▶▶

STRAIGHT LINE MODE	RECTANGULAR MODE 1	RECTANGULAR MODE 2	CIRCULAR MODE	SINE MODE	DOUBLE HELIX MODE	FREE MODE	RING MODE

Technical Parameters ▶▶▶

Model	LC-100
Laser Power	100W
Laser Wavelength	1080±10nm
Laser Working Mode	Pulsed
Pulse Width	10-500ns
Frequency Range	1-3000kHz
Fiber Cable Length	1.5m
Adjustable Scanning Range	10-100mm(According to lens, 210mm/254mm/330mm is optional)
Cooling Method	Air Cooled
Working Voltage	The battery (optional) can support the machine to work continuously for 1 hour; the machine is equipped with 110/220V to 48V adapter as standard
Rated Power Consumption	<500W
Anti-reflection Protection	Yes
Working Temperature	0~35℃
Working Humidity	≤ 80%
Overall Size	336*129*540mm
Total Weight	16Kg (Battery Included)

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Mold cleaning, paint or coating stripping , parts pretreatment before spraying, aerospace component cleaning, oxide removal after welding or pretreatment before welding, oil stain and product residue removal, cultural relic cleaning and restoration, etc.

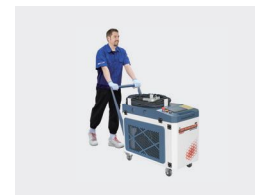**One machine equals 2 welders. Flexible and easy to carry**

MOBILE LASER WELDER

INDUSTRIAL CABINET

WELDING GUN

MOBILITY

SMALLER VOLUME

WIRE FEED

Features ▶▶▶

Fast operator training time yielding results of an experienced craftsman

Simple operation and low labor cost

Suitable for welding at any angle

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

Technical Parameters ▶▶▶

Model	BLW-1000	BLW-1500	BLW-2000	BLW-3000
Laser Source Power	1000W	1500W	2000W	3000W
Wavelength	1080±10nm			
Operating Mode	Continuous/Modulation			
Max. Frequency	20KHz			
Scan Width	0-6mm			
Integrated Cable Length	10-15m (customizable)			20m
Voltage	AC220V±10%			AC 380V±7%
Input Power	6kW	8kW	10kW	14kW
Cooling Method	Water cooling (deionized water, distilled water or purified water)			
Water Tank Capacity	16L (Add 14-15L water)			
Machine Dimension	845*460*605mm		905*480*630mm	1240*584*1148mm
Package Dimension	1270*580*1070mm			1430*720*1220mm
Total Weight	155kg	160kg	185kg	277kg

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Suitable for metal materials, such as carbon steel, stainless steel, titanium, aluminum, etc. Widely used in kitchen cabinets and bathrooms, stair lifts, shelves, advertisements, ovens, stainless steel door and window guardrails, distribution boxes, stainless steel furniture, etc.

SFX LASER
PRODUCT CATALOGUE
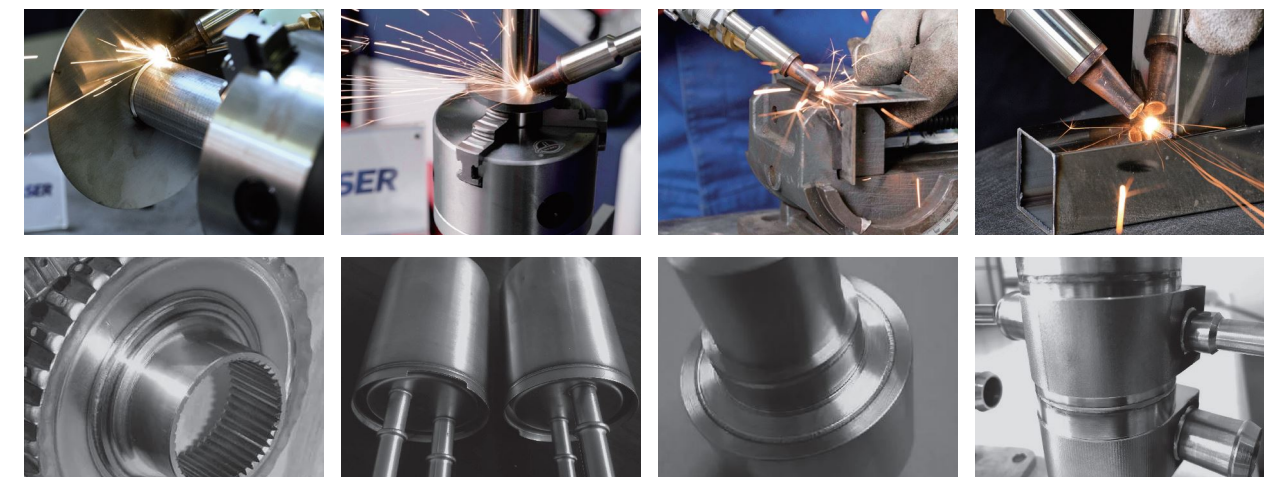
High-precision 5-axis linkage

PLATFORM AUTOMATIC LASER WELDING MACHINE

Features ▶▶▶

High-precision 5-axis linkage, can realize welding in complex scenes such as three-dimensional surface processing

- Zero basis teaching programming, simple operation, lower personnel requirements
- High welding efficiency, small deformation, beautiful weld seam and no need for additional treatment
- Full digital control, can realize stable welding with wire and without wire
- High-definition CCD monitors the position and status of welding, and the positioning is accurate
- The whole machine adopts modular design, stable performance and easy maintenance

Technical Parameters ▶▶▶

Model	DLW-1000	DLW-1500	DLW-2000	DLW-3000
Laser Power	1000W	1500W	2000W	3000W
Laser Wavelength	1080±10nm			
Laser Working Mode	Continuous/Modulation			
Worktable Size	1200*1000mm(Can be customized)			
XYZ Stroke	800*300*300mm			
Spot Parameters	Ring (Other shapes are optional)/ 0-5mm			
Cooling Method	External Chiller (Medium deionized water, distilled water or purified water)			
Working Voltage	AC 220V±10%			AC 380V±7%
Rated Power Consumption	<8KW	10KW	12KW	15.5KW
Overall Size	1200*1000*1700mm			
Net Weight	400kg (actual weight depending on configuration)			

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Suitable for metal materials, such as carbon steel, stainless steel, titanium, aluminum, etc. Widely used in kitchen cabinets and bathrooms, stair lifts, shelves, advertisements, ovens, stainless steel door and window guardrails, distribution boxes, stainless steel furniture, etc.

SFX LASER
PRODUCT CATALOGUE
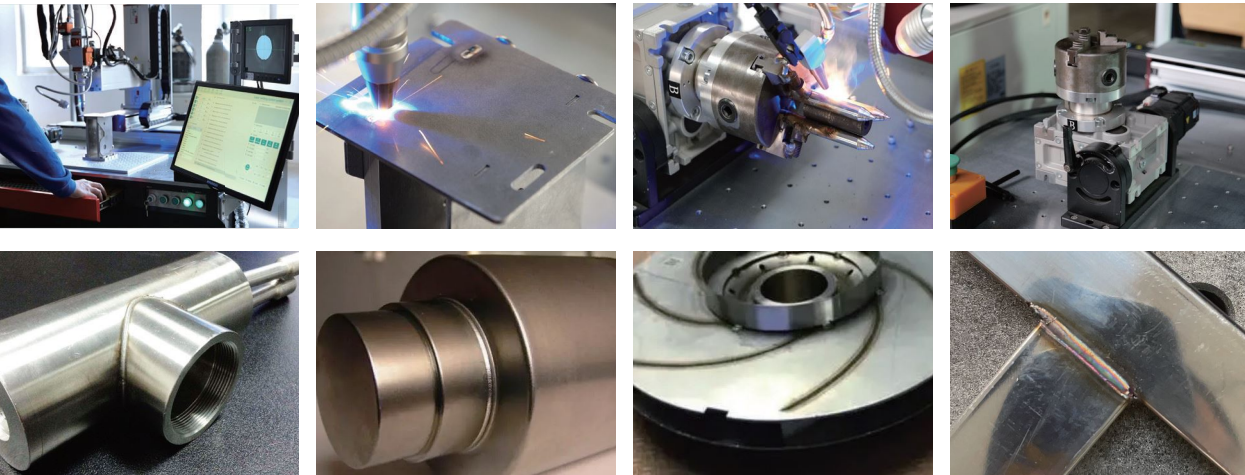
Suitable for metal and some non-metallic materials

FIBER LASER ENGRAVER

2 EZCAD **3 EZCAD**

Handheld

Tabletop with Enclosure

Desktop

Features ▶▶▶

- Fast Marking Speed, exceptional stability and superior optical performance
- Maintenance free, Long Life, Low Investment
- Wide frequency range, high tolerance and superior initial pulse integrity
- High Rate of Electrical-Optical Conversion: 70%
- Compatible with multiple file formats: Coreldraw, AutoCAD, Photoshop; PLT, PCX, DXF, BMP, etc. Directly Use SHX, TTF Fonts
- Automatic Encoding, Printing Serial Number, Batch Number, Date, Barcode, QR Code, Sequential numbering

Technical Parameters ▶▶▶

Model	SFX-20GS/30GS/50GS/60GS/80GS/100GS
Laser Power	20W/30W/50W/60W/80W/100W
Output Power Range	10%-100%
Marking Speed	7000mm/s
Wavelength	1064nm
Marking Field	70×70mm/110×110mm/150×150mm/175×175mm/220×220mm/300×300mm
Laser Source	MAX/RAYCUS/JPT/IPG Optional
Engraving Depth	0.01-1mm
Repetition Precision	0.002mm
Min.Width	0.01mm
Input Voltage	110V/220V, 50/60Hz
Cooling Method	Air Cooling
Packing Size	785*485*810mm
G.W	62KG-78KG

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Applicable Materials: Platinum, Tungsten, Titanium,Carbide Nickel, Carbon Steel, Aluminum, Stainless Steel, Brass, Copper, Gold, Silver, metals, etc. Also some of nonmetal such as nylon, light button, ABS, PVC, PES, etc.

Optional Accessories&Function ▶▶▶

| Rotary Axis | XY Table | Motorized Z-axis | Auto-focus Galvanometer | 2.5D/3D Carving |

SFX LASER
PRODUCT CATALOGUE

Suitable for non-metallic materials

CO$_2$ GALVO LASER ENGRAVER

2 EZCAD   **3 EZCAD**

Desktop

Enclosure

RF Laser Module

Features ▶▶▶

- Versatile power range and frequency control (CW or PWM)
- Fast Marking Speed, exceptional stability and superior optical performance
- Maintenance free, Long Life, Economical
- Compatible with multiple file formats: Coreldraw, AutoCAD, Photoshop; PLT, PCX, DXF, BMP, etc. Directly Use SHX, TTF Fonts
- Automatic Encoding, Printing Serial Number, Batch Number, Date, Barcode, QR Code, Sequential numbering

Technical Parameters ▶▶▶

| Model	SFX-20CS/30CS/55CS/70CS
Laser Power	20W/30W/55W/70W
Output Power Range	10%-100%
Marking Speed	7000mm/s
Wavelength	10.64μm
Marking Field	70×70mm/110×110mm/140×140mm/175×175mm/210×210mm/300×300mm
Laser Source	DAVI/COHERENT Optional
Engraving Depth	0.01-2mm(Depends on Materials)
Repetition Rate	0.002mm
Min.Width	0.01mm
Input Voltage	110V/220V, 50/60Hz
Cooling Method	Air Cooling/Water Cooling
Packing Size	935*485*810mm
G.W	73.5KG-75KG

Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

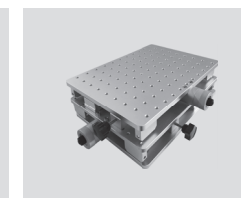## Applicable Materials and Industries ▶▶▶

Applicable Materials: Wood, Glass, Acrylic, Paper, Rubber and other non-metallic materials like Food, Medicine, Wine, Electronic Components, IC, Electrical Appliances, Mobile Phone Communications, Building Materials, PVC Pipe and other Industries.

Optional Accessories&Function ▶▶▶
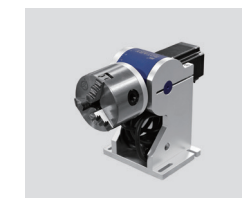
Rotary Axis   XY Table   Motorized Z-axis   Auto-focus Galvanometer   3D Carving

Cold laser processing, ultra-fine marking, wider range of application

UV LASER ENGRAVER

2 EZCAD
3 EZCAD

Technical Parameters ▶▶▶

Model	SFX-3UV/5UV/10UV/15UV
Laser Power	3W/5W/10W/15W
Output Power Range	10%-100%
Marking Speed	7000mm/s
Wavelength	355nm
Marking Field	70×70mm/110×110mm/140×140mm/175×175mm/250×250mm/300×300mm
Laser Source	JPT
Engraving Depth	0.01-0.5mm(Depends on Materials)
Repetition Accuracy	0.001mm
Min.Width	0.01mm
Input Voltage	110V/220V, 50/60Hz
Cooling Method	Air Cooling/Water Cooling
Packing Size	935*485*810mm
G.W	60KG-68KG

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Industries to include but limited to: Cosmetics, Pharmaceuticals, Automotive, Electronics, Appliances, Communications.
Materials to include: Flexible PCB, LCD Glass, Anodize, Plastics of all types, a wide spectrum of glass and much more.

Features ▶▶▶

- Micro-fine dot, narrow pulse and less heat result in results in sharpest detail in the smallest engravings.

- The UV wavelength (355nm) enables high-contrast, damage-free "cold marking" , minimizing heat effects, burrs and yellow tinting to achieve perfect part finishes.

- The optical path and circuitry are intigrated resulting in minimal external interference

- Compatible with multiple file formats: Coreldraw, AutoCAD, Photoshop; PLT, PCX, DXF, BMP, etc. Directly Use SHX, TTF Fonts

- Automatic Encoding, Printing Serial Number, Batch Number, Date, Barcode, QR Code, Sequential numbering

Optional Accessories&Function ▶▶▶

Rotary Axis	XY Table	Motorized Z-axis	Auto-focus Galvanometer	3D Carving

SFX LASER
PRODUCT CATALOGUE

7 inch touch screen, electromagnet base

PNEUMATIC MARKER

Features ▶▶▶

- Split design, easy to carry. PC is not needed, 7 inch touch screen built-in control system.
- Electromagnet Base. No Need to Hold by Hand, The Head Comes With an Electromagnet Base, Can be Firmly
- Attached to the Surface of the Magnetic Workpiece.
- Marking contents: English letters, fixed characters, serial number, VIN, date, graphics, logo etc.
- Hard alloy marking pin can mark materials within HRC60 of metal and plastic.

Technical Parameters ▶▶▶

Model	Z-MARKING-01	Z-MARKING-02
Marking Depth	0.02-1mm	0.02-1mm
Marking Speed	3-5 Characters Per Second	3-5 Characters Per Second
Material Hardness	≤ HRC60	≤ HRC60
Marking Range	80*40mm	120*50mm
Compressed Air	0.4-0.6MPA	0.4-0.6MPA
Power Supply	110V/220V 50/60Hz	110V/220V 50/60Hz
Air Consumption	3 L/S	3 L/S
Power Consumption	300W	300W
Weight	10kg	11kg

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Applicable Materials: English letters, fixed characters, serial number, VIN, date, graphics, logo etc.

SFX LASER
PRODUCT CATALOGUE

Suitable for gifts, cloth toys, handicrafts, advertising decoration, packaging and printing, etc.

CO₂ LASER ENGRAVER & CUTTER

SFX-4040

SFX-4060

Features ▶▶▶

· Reci brand CO2 glass tube
· Brand name stepper motors support accurate, high speed head positioning
· Reliable, accurate stainless steel linear guides for high tolerance output
· Red Pointer light continuousy indicates laser beam position on work piece
· Honeycomb Matrix work bed insert minimizes hot spots on work piece
· Work bed up and down via electric motor
· Continuous air flow through beam nozzle insures debris free lenses
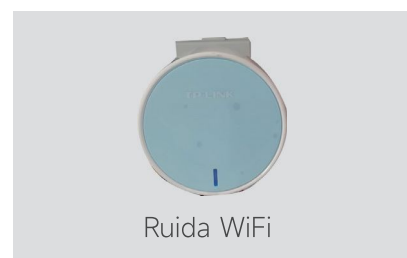· Laser tube cooling supported by industry leading water chiller

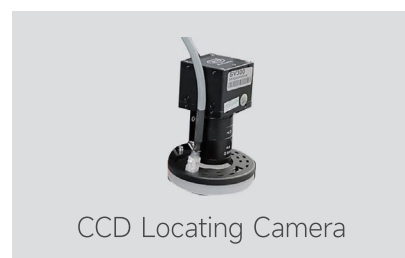## Optional Accessories ▶▶▶

| Indoor Air Filter | Drinkware Fixture | Cylindrical Fixture |
| Ruida WiFi | CCD Locating Camera | Lightburn Software |

Technical Parameters ▶▶▶

Model	SFX-4040/4060
Working Area	400*400mm/400*600mm
Laser Type	Sealed CO₂ laser tube
Laser Power	50W/60W
Cooling System	Water cycle cooling
Optional Power	0-100% set by software
Operate System	High speed DSP control, step motor
Minimum Shaping Character	English Letters:1mm
Working Voltage	110V, 60Hz / 220V, 50Hz
Working Environment	Temperature: 0-45° C, Humidity: 5%-95%
File Format	*.plt, *.dst, *.dxf, *.bmp, *.dwg, *.ai, *.las, support AutoCAD, CoreDraw output directly
Transmission Type	Belt / XY modular design

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Applicable to nonmetallic materials, such as acrylic, plexiglass, wood, MDF, rubber, PVC, leather, paper, stone, glass, cloth, plastic, etc.

Suitable for engraving/cutting of acrylic, cloth, leather and other non-metallic materials etc.

CO$_2$ LASER ENGRAVER & CUTTER

Features ▸▸▸

· Reci & Yongli laser source
· Auto-focus
· Motorized ⇅ work table
· Red light laser location indicator
· Ruida controller
· Integrated air flow to laser nozzle
· S&A laser tube chiller
· Large and small item work table included

SFX-1390

Optional Accessories ▸▸▸

Indoor Air Filter	Drinkware Fixture	Cylindrical Fixture
Ruida WiFi	CCD Locating Camera	Lightburn Software

Technical Parameters ▸▸▸

Model	SFX-9060/1290/1390/1490/1610/1325/1530
Working Area	900*600mm/1200*900mm/1300*900mm/1400*900mm/1600*1000mm/1300*2500mm/1500*3000mm
Laser Type	Sealed CO$_2$ laser tube
Laser Power	80W/100W/130W/150W/180W/220W/300W
Cooling System	Water cycle cooling
Optional Power	0-100% set by software
Operate System	High speed DSP control, step motor
Minimum Shaping Character	English Letters:1mm
Working Voltage	110V, 60Hz / 220V, 50Hz
Working Environment	Temperature: 0-45° C, Humidity: 5%-95%
File Format	*.plt, *.dst, *.dxf, *.bmp, *.dwg, *.ai, *.las, support AutoCAD, CoreDraw output directly
Transmission Type	Belt / XY modular design

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▸▸▸

Applicable to nonmetallic materials, such as acrylic, plexiglass, wood, MDF, rubber, PVC, leather, paper, stone, glass, cloth, plastic, etc.

SFX LASER
PRODUCT CATALOGUE

Suitable for engraving/cutting thin metal sheets and non-metallic materials

HYBRID CO$_2$ LASER CUTTER

Features ▶▶▶

· Reci & Yongli laser source
· Auto-focus
· Motorized ↑↓ work table
· Red light laser location indicator
· Ruida controller
· Integrated air flow to laser nozzle
· S&A laser tube chiller

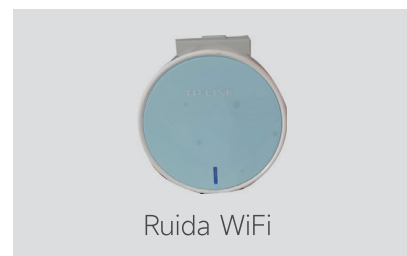SFX-1390

SFX-1325

Optional Accessories ▶▶▶
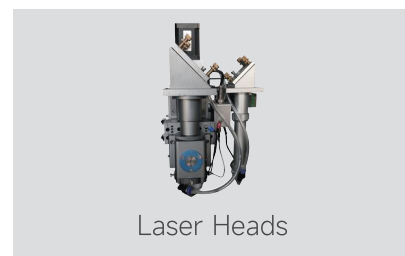
Indoor Air Filter	Drinkware Fixture	Cylindrical Fixture
Ruida WiFi	CCD Locating Camera	Laser Heads

Technical Parameters ▶▶▶

Model	SFX-1390/1325
Working Area	1300*900mm/1300*2500mm
Laser Type	Sealed CO$_2$ glass laser tube, wavelength: 10.64μm
Laser Power	150W/180W/220W/280W/300W
Cooling Mode	Pure circulating water cooling
Control System	DSP offline control system, laser power software 0-100% adjustable
Maximum Engraving Speed	0-60000mm/min
Maximum Cutting Speed	0-30000mm/min
Repetition Accuracy	≤ ±0.01mm
Min. Letter	English: 1.0*1.0mm
Working Voltage	110V/220V, 50Hz~60Hz
Working Condition	Temperature: 0-45° C, Humidity: 5%-95%
File Format	*.plt, *.dst, *.dxf, *.bmp, *.dwg, *.ai, *.las, support AutoCAD, CoreDraw output directly

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Applicable to stainless steel, carbon steel, galvanized steel, acrylic, polywood, MDF, plexiglass, wood, rubber, PVC, leather, paper, stone, glass, etc.

SFX LASER
PRODUCT CATALOGUE
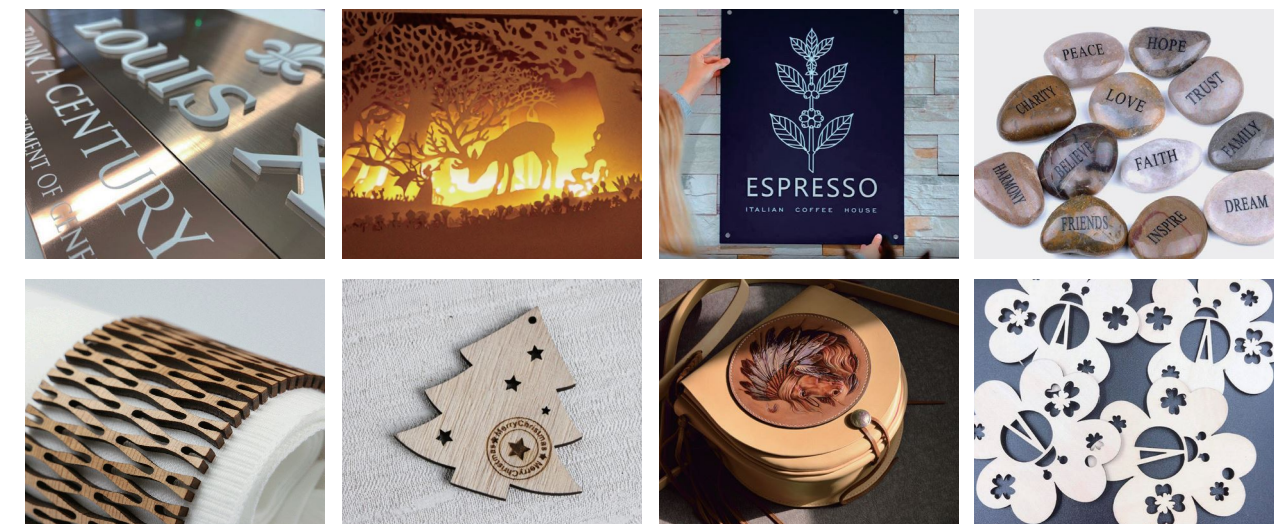
Suitable for precision cutting of metal plates such as gold and silver in jewelry

PRECISION FIBER LASER CUTTER

SFX-3030

SFX-6080

Features ▶▶▶

- Fast and precise cutting while maintaining the highest tolerances possible
- IPG and Raycus laser supported by industry leading 2 year warranty
- User friendly CypOne/CypCut software supports all common vector fomrats including DXF, PLT, AI, LXD and more.
- Industry Leading Raytools Cutting Head featuring Auto-Focus
- Machine enclosure windows feature 1064nm safety glass to protect from laser scatter
- Hanli and S & A chillers support reliable laser source Cooling

Fiber laser source cutting capacity ▶▶▶

Material	Maximum cutting thickness (mm)			Remark
	1000w	1500w	2000w	
Stainless steel	4	5	8	To insure the desired results it is best to choose the next higher power rating to meet the maximum desired thickness.
Carbon steel	10	14	18	
Galvanized sheet	4	5	8	
Aluminum	3	4	5	
Brass	3	4	5	

Technical Parameters ▶▶▶

Model	SFX-3030	SFX-6080
Working Area	300*300mm	600*800mm
Fiber Laser Power	1000W-3000W	1000W/1500W/2000W... .6000W
Laser Wavelength	1064nm	1064nm
Beam Quality	<0.373mrad	<0.373mrad
Max Cutting Accuracy	+0.03mm	+0.05mm
Re-position Accuracy	+0.01mm	+0.03mm
Max Operating Speed	30m/min	30m/min
Max Cutting Speed	30m/min	30m/min
Transmission Type	Precision dual ball screw transmission	Precision dual ball screw transmission
Driving System	Servo motors	Servo motors
Cutting Depth	Depends on Laser Power and Materials	Depends on Laser Power and Materials
Assist Gas	Compressed air, Oxygen, Nitrogen	Compressed air, Oxygen, Nitrogen
Cooling Method	Industrial circulation water chiller	Industrial circulation water chiller
Aiming and positioning	Red Dot	Red Dot
Working Voltage	220V/380V 50/60Hz (Transformer Available)	110V/240V 50-60Hz
Machine Dimensions/N.W	890*850*1830mm / 600kg	1800*1720*1820mm / 1500kg
Packing Dimensions/G.W	1550*1540*1950mm / 850kg	2500*1900*2090mm / 1700kg

Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Applicable to sheet metal such as carbon/mild steel, stainless steel, aluminum alloy, galvanized sheet, electrolytic plate, silicon steel, titanium alloy, aluminum zinc plate, brass, copper, silver and tight sheet metal fittings, etc.
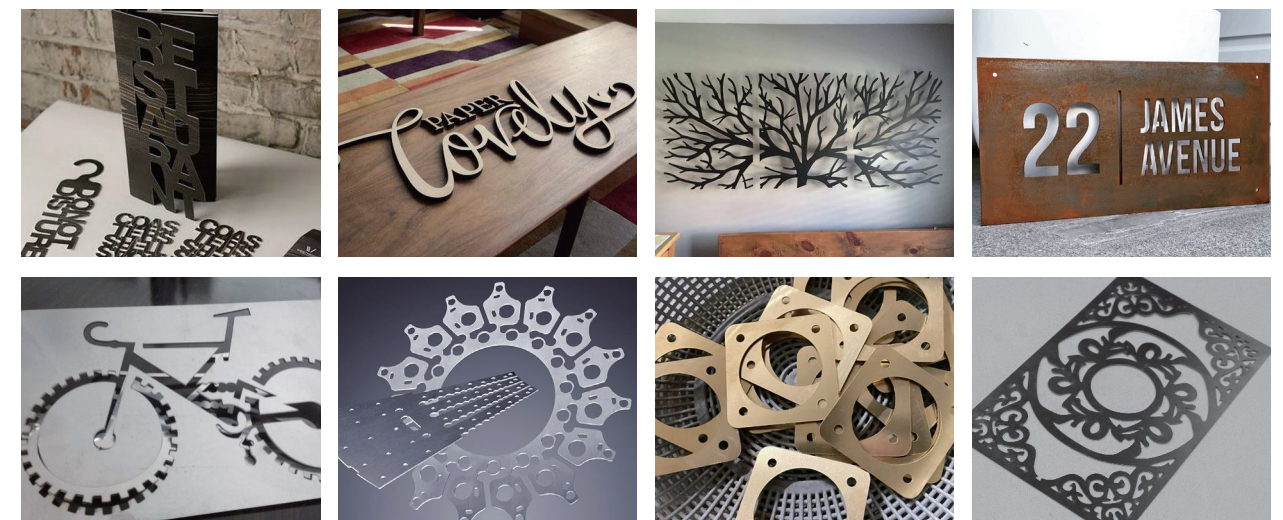
Suitable for fast batch cutting of metal sheet

FIBER LASER CUTTER

SFX-9013

Features ▶▶▶

- Fast and precise cutting while maintaining the highest tolerances possible
- IPG and Raycus laser supported by industry leading 2 year warranty
- User friendly CypOne/CypCut software supports all common vector fomrats including DXF, PLT, AI, LXD and more.
- Industry Leading Raytools Cutting Head featuring Auto-Focus
- Hanli and S & A chillers support reliable laser source Cooling

Fiber laser source cutting capacity ▶▶▶

Material	Maximum cutting thickness (mm)			Remark
	1000w	1500w	2000w	
Stainless steel	4	5	8	To insure the desired results it is best to choose the next higher power rating to meet the maximum desired thickness.
Carbon steel	10	14	18	
Galvanized sheet	4	5	8	
Aluminum	3	4	5	
Brass	3	4	5	

Technical Parameters ▶▶▶

Model	SFX-9013
Working Area	900*1300mm/1300*1300mm/1300*2500mm/1500*3000mm/1500*6000mm 2000*4000mm/2000*6000mm.........
Fiber Laser Power	1000W/1500W/2000W/....6000W
Laser Wavelength	1064nm
Beam Quality	< 0.373mrad
Max Cutting Speed	30m/min(Depends on material)
Cutting Depth	Depends on Laser Power and Materials
Assist Gas	Compressed air, Oxygen, Nitrogen
Cooling Method	Industrial circulation water chiller
Working Voltage	110V/240V/380V 50-60Hz

Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

Applicable to sheet metal such as carbon/mild steel, stainless steel, aluminum alloy, galvanized sheet, electrolytic plate, silicon steel, titanium alloy, aluminum zinc plate, brass, copper, silver and tight sheet metal fittings, etc.
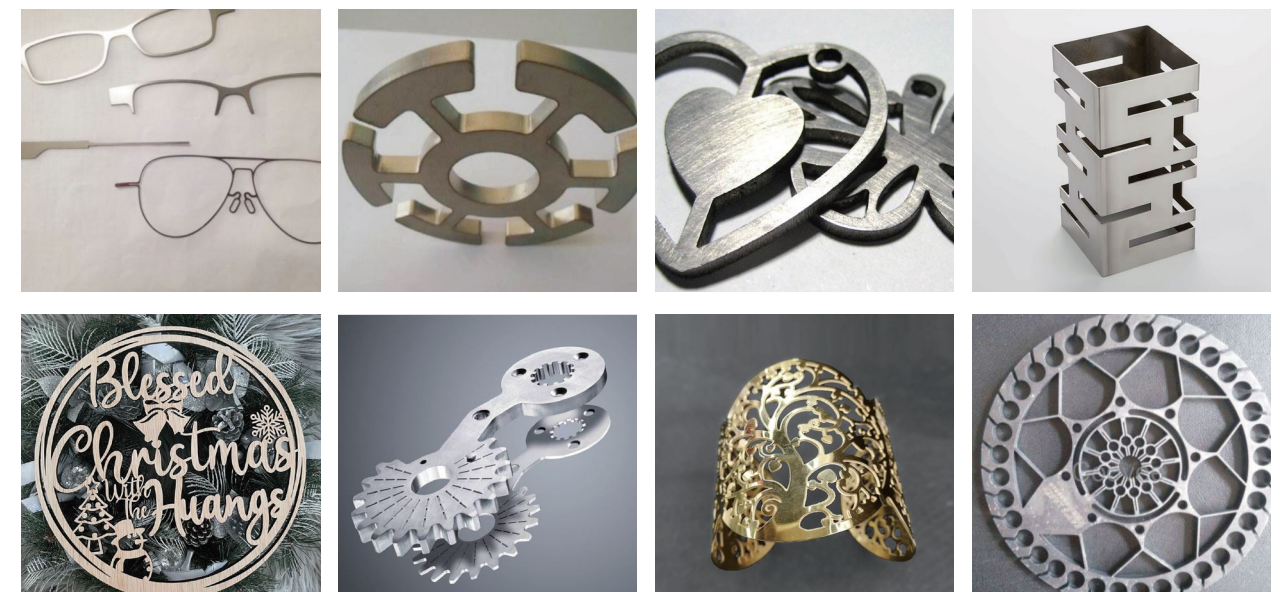
Specilized in cleaning racks of laser cutting machines

LASER SLAT CLEANER

Features ▶▶▶

- Fast slag removal speed, can reduce workload by 40%
- No consumables, special tooling with a long service life
- User can master the operation skills in 2 minutes, and the work can be completed by one person under a single station
- Two-stage buffer resistance technology, fast machine response

Technical Parameters ▶▶▶

Model	JS-1000	JS-2300
Voltage	220v	
Frequency	50Hz	
Rated Power Consumption	1020w	2300w
Max. Laser Power	6000w	15000w
Suitable Thickness	3-8mm	
Minimum Spacing	30mm	
Weight	32kg	42kg
Package Dimension	81*32*38cm	81*36*38cm

*Due to product updates, there may be differences in appearance and parameters, please refer to the latest product!

Applicable Materials and Industries ▶▶▶

It is suitable for CNC oxy-fuel cutting machines, CNC laser cutting machines, plasma and other cutting equipment slag cleaning of the gate-type worktable. It is widely used in sheet metal processing, shipbuilding, laser processing, mechanical manufacturing and other industries involving laser cutting.

INTO SFX LASER

· Modern Intelligent Workshop

· Company Culture

MODERN INTELLIGENT WORKSHOP

MODERN OFFICES

MASS PRODUCTION

Mass Production
Quality Control

Modern Exhibition Hall
Beautiful Environment

CO$_2$ LASER CUTTING REFERENCE TABLE

Material	Material Thickness	40W Max. Speed	40W Best Speed	60W Max. Speed	60W Best Speed	80W Max. Speed	80W Best Speed	100W Max. Speed	100W Best Speed	130W Max. Speed	130W Best Speed	150W Max. Speed	150W Best Speed	180W Max. Speed	180W Best Speed	200W Max. Speed	200W Best Speed	300W Max. Speed	300W Best Speed	Note (Laser power 90%)
Acrylic	3mm	15mm/s	10mm/s	20mm/s	15mm/s	25mm/s	20mm/s	30mm/s	25mm/s	35mm/s	30mm/s	40mm/s	35mm/s	45mm/s	40mm/s	55mm/s	45mm/s	55mm/s	45mm/s	Pay attention to airflow control when cutting acrylic. The amount of air blowing on the surface of the material should be smaller or side blowing, so as to ensure the smoothness of the acrylic; the bottom of the material should have air flow to prevent fire.
	5mm	8mm/s	5mm/s	10mm/s	7mm/s	12mm/s	8mm/s	15mm/s	10mm/s	17mm/s	12mm/s	21mm/s	15mm/s	25mm/s	18mm/s	30mm/s	25mm/s	30mm/s	25mm/s	
	8mm	4mm/s	2mm/s	5mm/s	3mm/s	9mm/s	5mm/s	10mm/s	6mm/s	12mm/s	8mm/s	15mm/s	10mm/s	18mm/s	12mm/s	25mm/s	15mm/s	25mm/s	15mm/s	
	1cm	3mm/s	——	4mm/s	2mm/s	6mm/s	3mm/s	7mm/s	4mm/s	8mm/s	5mm/s	11mm/s	7mm/s	16mm/s	10mm/s	20mm/s	13mm/s	20mm/s	13mm/s	
	15mm	——	——	2mm/s	0.8mm/s	3mm/s	1.5mm/s	4mm/s	2mm/s	5mm/s	3mm/s	7mm/s	4mm/s	9mm/s	6mm/s	11mm/s	8mm/s	11mm/s	8mm/s	
	20mm	——	——	1mm/s	0.3mm/s	1.5mm/s	0.5mm/s	2mm/s	0.7mm/s	3mm/s	1mm/s	4mm/s	1.5mm/s	5mm/s	2mm/s	7mm/s	4mm/s	7mm/s	4mm/s	
	25mm	——	——	——	——	0.5mm/s	0.2mm.s	0.8mm/s	0.3mm/s	1mm/s	0.4mm/s	1.8mm/s	0.8mm/s	2.5mm/s	1.2mm/s	5mm/s	3mm/s	5mm/s	3mm/s	
	30mm	——	——	——	——	——	——	0.3mm/s	——	0.5mm/s	0.3mm/s	0.8mm/s	0.5mm/s	1.3mm/s	0.8mm/s	3mm/s	1.5mm/s	3mm/s	1.5mm/s	
	35mm	——	——	——	——	——	——	——	——	0.2mm/s	——	0.4mm/s	0.1mm/s	0.6mm/s	0.3mm/s	1mm/s	0.7mm/s	1mm/s	0.7mm/s	
	40mm	——	——	——	——	——	——	——	——	——	——	0.1mm/s	——	0.2mm/s	0.1mm/s	0.5mm/s	0.3mm/s	0.5mm/s	0.3mm/s	
Die Cutting Plate	15mm	——	——	——	——	——	——	——	——	4mm/s	3mm/s	6mm/s	4.5mm/s	8mm/s	6mm/s	11mm/s	9mm/s	11mm/s	9mm/s	Pay attention to focal length and airflow control. The larger the air flow, the faster the cutting speed, and the smaller the air outlet, the greater the force acting on the unit area of the material; the focusing lens is recommended to use a focal length above 100mm
	18mm	——	——	——	——	——	——	——	——	2mm/s	1.2mm/s	4mm/s	2.5mm/s	5mm/s	3.5mm/s	8mm/s	6mm/s	8mm/s	6mm/s	
	20mm	——	——	——	——	——	——	——	——	——	——	2.5mm/s	1.8mm/s	3.5mm/s	2.5mm/s	6mm/s	4.5mm/s	6mm/s	4.5mm/s	
MDF (high-density board)	3mm	9mm/s	7mm/s	15mm/s	12mm/s	20mm/s	15mm/s	23mm/s	18mm/s	25mm/s	20mm/s	30mm/s	25mm/s	33mm/s	28mm/s	40mm/s	35mm/s	40mm/s	35mm/s	Pay attention to airflow control. The greater the airflow, the faster the cutting speed.
	5mm	5mm/s	3.5mm/s	10mm/s	8mm/s	13mm/s	10mm/s	15mm/s	13mm/s	18mm/s	15mm/s	21mm/s	18mm/s	25mm/s	21mm/s	30mm/s	25mm/s	30mm/s	25mm/s	
	10mm	——	——	3mm/s	——	5mm/s	3.5mm/s	7mm/s	5mm/s	9mm/s	6.5mm.s	12mm/s	9mm/s	14mm/s	11mm/s	18mm/s	15mm/s	18mm/s	15mm/s	
	15mm	——	——	——	——	——	——	2.5mm/s	——	4mm/s	3mm/s	7mm/s	5.5mm/s	9mm/s	7mm/s	12mm/s	10mm/s	12mm/s	10mm/s	
	18mm	——	——	——	——	——	——	——	——	——	——	4mm/s	——	5mm/s	4mm/s	8mm/s	7mm/s	8mm/s	7mm/s	
Leather	Single layer	15mm/s	12mm/s	20mm/s	17mm/s	25mm/s	20mm/s	30mm/s	25mm/s	40mm/s	35mm/s	45mm/s	40mm/s	50mm/s	45mm/s	60mm/s	55mm/s	60mm/s	55mm/s	For leather cutting, it is recommended to use a focusing lens with a focal length of 50 to cooperate with a laser tube of 60W-100W and a small air compressor.
Wooden boards (except rare hard wood)	3mm	10mm/s	8mm/s	15mm/s	12mm/s	20mm/s	18mm/s	25mm/s	22mm/s	30mm/s	28mm/s	35mm/s	33mm/s	40mm/s	37mm/s	50mm/s	48mm/s	50mm/s	48mm/s	When cutting wood, please pay attention to air flow control. The greater the air flow, the faster the cutting speed.
	5mm	5mm/s		10mm/s	8mm/s	15mm/s	10mm/s	20mm/s	18mm/s	25mm/s	22mm/s	30mm/s	28mm/s	35mm/s	32mm/s	45mm/s	42mm/s	45mm/s	42mm/s	
	10mm			4mm/s		8mm/s	6mm/s	12mm/s	10mm/s	15mm/s	13mm/s	20mm/s	17mm/s	25mm/s	20mm/s	35mm/s	30mm/s	35mm/s	30mm/s	
	15mm							8mm/s	5mm/s	11mm/s	8mm/s	15mm/s	13mm/s	18mm/s	15mm/s	25mm/s	22mm/s	25mm/s	22mm/s	
Fabric	Single layer	40mm/s	38mm/s	60mm/s	58mm/s	100mm/s	98mm/s	200mm/s	195mm/s	300mm/s	295mm/s	400mm/s	395mm/s	500mm/s	495mm/s	600mm/s	590mm/s	600mm/s	590mm/s	Same as leather cutting
PVC	2mm	35mm/s	32mm/s	50mm/s	45mm/s	60mm/s	58mm/s	70mm/s	68mm/s	80mm/s	78mm/s	90mm/s	88mm/s	100mm/s	98mm/s	120mm/s	118mm/s	120mm/s	118mm/s	For PVC cutting, it is recommended to use a focusing lens with a focal length of 50 and a laser tube of 60W-100W, and the power should be 50%-70%
	3mm	30mm/s	27mm/s	40mm/s	38mm/s	50mm/s	48mm/s	60mm/s	58mm/s	70mm/s	68mm/s	80mm/s	78mm/s	90mm/s	88mm/s	110mm/s	108mm/s	110mm/s	108mm/s	
	4mm	25mm/s	20mm/s	35mm/s	30mm/s	45mm/s	40mm/s	55mm/s	50mm/s	65mm/s	63mm/s	75mm/s	73mm/s	85mm/s	80mm/s	100mm/s	98mm/s	100mm/s	98mm/s	
Iron plate	2mm	——	——	——	——	——	——	——	——	——	——	8mm/s	6mm/s	15mm/s	12mm/s	40mm/s	30mm/s	40mm/s	30mm/s	Iron plate cutting requires oxygen assistance, and the oxygen pressure is 0.8mpa
	3mm	——	——	——	——	——	——	——	——	——	——	——	——	7mm/s	——	25mm/s	18mm/s	25mm/s	18mm/s	
Stainless Steel	0.5											50mm/s	40mm/s	55mm/s	45mm/s	70mm/s	60mm/s	90mm/s	80mm/s	Requires oxygen assistance
	1											25mm/s	20mm/s	30mm/s	25mm/s	40mm/s	35mm/s	50mm/s	40mm/s	
	1.5											10mm/s	8mm/s	18mm/s	15mm/s	25mm/s	20mm/s	35mm/s	30mm/s	
	2													10mm/s	8mm/s	20mm/s	15mm/s	25mm/s	20mm/s	
	2.5															15mm/s	10mm/s	20mm/s	15mm/s	
	3															10mm/s	7mm/s	15mm/s	10mm/s	
Two-color board	2mm	15mm/s	13mm/s	25mm/s	20mm/s	35mm/s	30mm/s	40mm/s	35mm/s	45mm/s	40mm/s	55mm/s	50mm/s	65mm/s	60mm/s	80mm/s	75mm/s	80mm/s	75mm/s	Same as PVC cutting
Paper	Single layer	80mm/s	40mm/s	120mm/s	40mm/s	150mm/s	40mm/s	250mm/s	40mm/s	350mm/s	40mm/s	450mm/s	40mm/s	550mm/s	40mm/s	650mm/s	40mm/s	650mm/s	40mm/s	Pay attention to the laser power adjustment when cutting paper. The higher the laser tube power, the smaller the laser adjustment percentage.
Rubber board	4mm (1mm)	15mm/s	13mm/s	25mm/s	20mm/s	30mm/s	27mm/s	35mm/s	33mm/s	40mm/s	38mm/s	45mm/s	43mm/s	50mm/s	48mm/s	60mm/s	58mm/s	60mm/s	58mm/s	The rubber sheet is generally cut in a single layer, and the surface layer can be cut through. The table belongs to the surface layer cutting parameters
	6mm (2mm)	10mm/s	8mm/s	15mm/s	10mm/s	18mm/s	15mm/s	20mm/s	18mm/s	25mm/s	23mm/s	30mm/s	28mm/s	35mm/s	33mm/s	45mm/s	43mm/s	45mm/s	43mm/s	

SFX LASER

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