
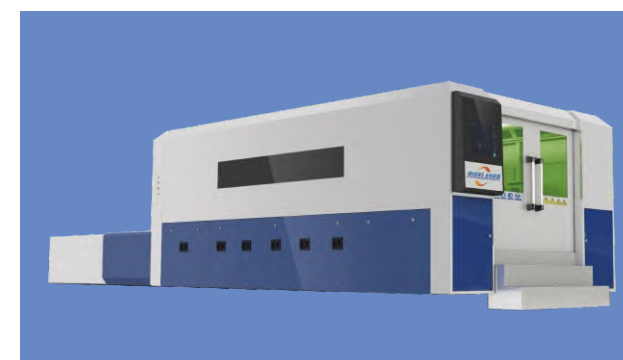


## Riselaser Technology Co., Ltd

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# ABOUT US



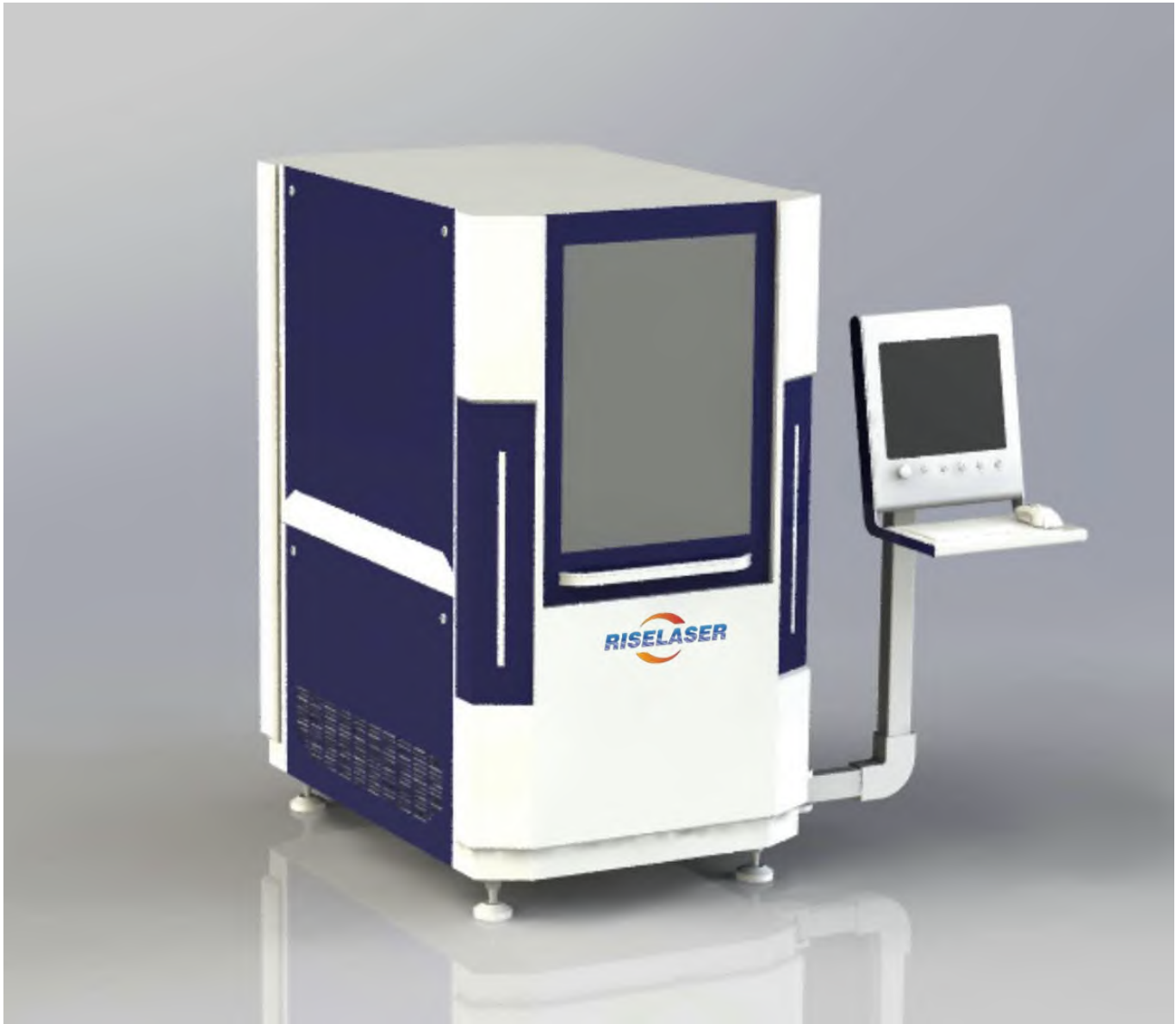
Riselaser Technology Co., Ltd. is an integrated enterprise which specializes in laser products, laser cutting machine, laser engraving machine and laser marking machine manufacturer and process international sales and domestic sales. The company was founded in 2015. As a modernized enterprise with high technology and self-management export, we are of solid financial base and great capability for production, research and development.

Our products include: laser cutting machine, laser marking machine, laser engraving machine, laser welding machine and so on.

More than 10 series, 300 types personalized products and services to provide customers with a significant advantage. Due to the high quality of our products and reliable performance, they are widely used in electronics, hardware, model-making, clothing, footwear, advertising, printing and packaging, toy-making, as well as more industries.

# Precision Fiber Laser Cutting Machine

RL-P Series 750W/1200W/1500W



## Sample Display



# Product Application

Widely used in the eyeglasses industry, craft gifts, hardware accessories, electrical appliances and other precision metal products industry.

## Applicable Materials

It is mainly used for carbon steel plate, stainless steel plate, thin galvanized sheet, thin aluminum plate, thin copper plate and other kinds of metal materials not contact fast cutting, hollow-out and drilling.

## Product Features

- Can cut all kinds of graphics on the plate material.
- High precision, fast speed, small slot, small thermal influence, the cutting surface is smooth without burr.
- Automatic feeding, discharging, saving time.
- Can cut steel, stainless steel, aluminum alloy, hard alloy, titanium and other kinds of hardness materials.

## Technical Parameters

Model		RL-P5050
Working Size		500×500(mm)
Max. Acceleration		1.2G
X AXIS	Max. Moving Speed	60m / min
	Route	500mm
	Positioning Accuracy	±0.01mm
	Repetition Accuracy	±0.004mm
Y AXIS	Max. Moving Speed	60m / min
	Route	500mm
	Positioning Accuracy	±0.01mm
	Repetition Accuracy	±0.004mm
Z AXIS	Route	100mm



Sample Display



Riselaser Fiber Laser Marking Machine



# Desktop Fiber Laser Marking Machine

RL-D Series 20W/30W/50W/100W



## Sample Display:



# Product Application

Widely used in ordinary metal, alloy, iron, steel, aluminum, magnesium, zinc, crystal carving Ink, paint coating, translucent keys, printing products and so on.

## Applicable Materials

Application in the area of electronic components, electrical appliances, communication products, transparent keys, automotive & motorcycle parts, instruments, plastic shell, aerospace, military products, hardware accessories, jewelry products, Glasses, medical equipment, solar energy, gifts etc.

## Product Features

High quality and stable output laser beam, Low power consumption, high precision.  
High quality beam, Non contact marking, no need consumable material such as ink or pin.  
Finer marking line. Long laser life : 70000-100000 hours.  
The machine can mark any metal material and some plastic material, also good mark on the material which is hard, hot etc.

## Technical Parameters

Model Name		RL-20D / RL-30D / RL-50D / RL-100D
Laser Source	Laser Wavelength	1064nm Q-switched fiber laser
	Average Output Power	20W / 30W / 50W / 100W
	Modulation Frequency Range	20W: 30~60KHz; 30W: 30~60KHz; 50W: 50~80KHz; 100W: 20-200KHz
Marking Software	EZCAD Software	
System Properties	Marking Range	110*110mm (standard) ; 150*150mm / 200mm*200mm / 300*300mm(optional)
	Scanning Speed	≤ 8000mm / s (high speed scanner)
	Spot Size in Focus	0.15mm
	Min. Line Width	0.01mm
	Min. Character	0.15mm
	Cooling Methods	Air cooled
	Power Supply	115V-230VAC 50-60Hz
	Formats	Vector: *.plt, *.dxf, *.ai, *.svg; BMP: *.bmp, *.jpg, *.jpeg, *.gif, *.png;
	Humidity	< 90% Non-condensing
	Working Temperature	+10 to +35 °C (46 to 95°F)
	Machine Weight	N.W.:120KG; G.W.: 140KG



# Separate Fiber Laser Marking Machine

RL-PS Series 20W/30W/50W



## Sample Display



## Product Application

Widely used in electronic components, electrical appliances, communication products, sanitary ware, tools, accessories, plastic translucent keys, jewelry, auto parts, luggage buckle, cooking utensils, stainless steel products and other industries.

## Applicable Materials

It is mainly used for metals, engineering plastics, electroplating materials, coating materials,coating materials, plastics, rubber, epoxy resin, ceramic, plastic, ABS, PVC, PES, steel, titanium, copper and other materials.

## Product Features

- Low Cost In Use: No wearing part. Free of maintenance.
- Energy Saving: The efficiency of optic-electrical converting is up to 70%.
- Easy Operating: Easy operation, VCD training, trouble free.

## Technical Parameters

Model Name		RL-20PS / RL-30PS / RL-50PS
Laser Source	Laser Wavelength	1064nm Q-switched fiber laser
	Average Output Power	20W / 30W / 50W
	Modulation Frequency Range	20W: 30~60KHz; 30W: 30~60KHz; 50W: 50~80KHz
Marking Software	EZCAD Software	
System Properties	Marking Range	110*110mm (standard) ; 150*150mm (optional)
	Scan Speed	≤ 8000mm / s (high speed scanner)
	Spot Size in Focus	0.15mm
	Min. Line Width	0.01mm
	Min. Character	0.15mm
	Cooling Methods	Air cooled
	Power Supply	115V-230VAC 50-60Hz
	Formats	Vector: *.plt, *.dxf, *.ai, *.svg; BMP: *.bmp, *.jpg, *.jpeg, *.gif, *.png;
	Humidity	< 90% Non-condensing
	Working Temperature	+10 to +35 °C (46 to 95°F)
	Machine Weight	N.W.:55KG; G.W.: 69KG

# Portable Fiber Laser Marking Machine

RL-P Series 20W/30W/50W



## Related Products



## Product Application

Widely used in mobile, jewellery, eyeglass, medicine package, medical instrument, instrument, meters, cutting tool, plastic case, building materials, PVC pipe, military product, aviation, aerospace, hardware fitting, accessory.

## Applicable Materials

It is mainly used for decorative map, LOGO, factory number, production date, copper, alloy, aluminum, steel, stainless steel, name card, mobile communications, precision instruments, computer keyboard, accessories, auto parts, plastic buttons, plumbing fittings, sanitary ware.

## Product Features

Optical Fiber Laser, environment friendly, easy maintenance.  
Easy operation software, compatible with PHOTOSHOP, CORELDRAW, AUTOCAD.  
Runs without consumable spare parts, no need maintenance, great for continuous working.  
The smallest volume, suitable for harsh environment, friendly interface, easy operation.

## Technical Parameters

Model Name		RL-20P / RL-30P / RL-50P
Laser Source	Laser Wavelength	1064nm Q-switched fiber laser
	Average Output Power	20W / 30W / 50W
	Modulation Frequency Range	20W: 30~60KHz; 30W: 30~60KHz; 50W: 50~80KHz
Marking Software	EZCAD Software	
System Properties	Marking Range	110*110mm (standard) ; 150*150mm (optional)
	Scan Speed	≤ 8000mm / s (high speed scanner)
	Spot Size in Focus	0.15mm
	Min. Line Width	0.01mm
	Min. Character	0.15mm
	Cooling Methods	Air cooled
	Power Supply	115V-230VAC 50-60Hz
	Formats	Vector: *.plt, *.dxf, *.ai, *.svg; BMP: *.bmp, *.jpg, *.jpeg, *.gif, *.png;
	Humidity	< 90% Non-condensing
	Working Temperature	+10 to +35 °C (46 to 95°F)
	Machine Weight	N.W.:55KG; G.W.: 69KG



# Handhold Fiber Laser Marking Machine

RL-H Series 20W/30W/50W



## Sample Display



# Product Application

Widely used in electronic components, hardware tools, accessories, integrated circuit (IC), electrical appliances, mobile communications, precision instruments, spectacles and clocks, jewelry, auto parts, plastic buttons, construction material and other industries.

## Applicable Materials

It is mainly used for iron, copper, aluminum, magnesium, zinc, plastics, rare metals, aluminum anodizing, ABS material, translucent keys, print products, epoxy resin, electronic components, packaging, insulation layer.

## Product Features

Laser in the fiber wave by the increase in oscillation, good stability, free from external dust and mechanical loosening of the impact of the output of the laser beam stability.  
Maintenance-free operation, the laser without any maintenance, do not have to adjust or clean the lens, no supplies.  
Excellent spot quality, high peak power, in the same material, the marking effect is best.  
Wear automatic lift platform, integrated air-cooled system, integrated design, with the beautiful appearance.

## Technical Parameters

Model Name		RL-20H / RL-30H / RL-50H
Laser Source	Laser Wavelength	1064nm Q-switched fiber laser
	Average Output Power	20W / 30W / 50W
	Modulation Frequency Range	20W: 30~60KHz; 30W: 30~60KHz; 50W: 50~80KHz
Marking Software	EZCAD Software	
System Properties	Marking Range	110*110mm (standard) ; 150*150mm (optional)
	Scan Speed	≤ 8000mm / s (high speed scanner)
	Spot Size in Focus	0.15mm
	Min. Line Width	0.01mm
	Min. Character	0.15mm
	Cooling Methods	Air cooled
	Power Supply	115V-230VAC 50-60Hz
	Formats	Vector: *.plt, *.dxf, *.ai, *.svg; BMP: *.bmp, *.jpg, *.jpeg, *.gif, *.png;
	Humidity	< 90% Non-condensing
	Working Temperature	+10 to +35 °C (46 to 95°F)
	Machine Weight	N.W.:55KG; G.W.: 69KG



# Enclosed Type Fiber Laser Marking Machine

RL-E Series 20W/30W/50W



## Sample Display



## Product Application

Widely used in advertising industry, arts industry, electronic components industry, medical device industry, glasses watch and clock industry, IC card industry, plastic tool industry, kitchen and bathroom appliance.

## Applicable Materials

It is mainly used for gold, silver, stainless steel, brass, aluminium, steel, iron , and can also mark on many non-metal materials, such as ABS, Nylon, PES, PVC.

## Product Features

- Industrial machine type, popular layout, excellent effect of dust proof.
- All-in-one design of electric cabinet and working table.
- High space between lifting table and working table, especially used for marking on small size work piece.
- Maintenance-free Operation: There is no need of any maintenance for laser, or to adjust /clean the lens.
- High processing speed: 2-3 times faster than the traditional laser marking machine.
- Excellent beam quality-The laser spot and divergence angle of fiber laser marking machine is smaller than traditional marking machine, marking more precision.

## Technical Parameters

Model Name		RL-20E / RL-30E / RL-50E	
Laser Source	Laser Wavelength	1064nm Q-switched fiber laser	
	Average Output Power	20W / 30W / 50W	
	Modulation Frequency Range	20W: 30~60KHz; 30W: 30~60KHz; 50W: 50~80KHz	
Marking Software		EZCAD Software	
System Properties	Marking Range	110*110mm (standard) ; 150*150mm (optional)	
	Scan Speed	≤ 8000mm / s (high speed scanner)	
	Spot Size in Focus	0.15mm	
	Min. Line Width	0.01mm	
	Min. Character	0.15mm	
	Cooling Methods	Air cooled	
	Power Supply	115V-230VAC 50-60Hz	
	Formats	Vector: *.plt, *.dxf, *.ai, *.svg; BMP: *.bmp, *.jpg, *.jpeg, *.gif, *.png;	
	Humidity	< 90% Non-condensing	
	Working Temperature	+10 to +35 °C (46 to 95°F)	
	Machine Weight	N.W.:74KG; G.W.: 95KG	

# Fiber Laser Cleaning Machine

RL-CL Series 100W / 500W



## Typical Application - Rust Removal

High energy pulsed laser focusing on the surface of object to simulate plasma, continuous irradiation of high-energy plasma instantaneous formation and expansion, resulting in a series of tiny explosions, formatting plasma blasting, finally achieve the relative smooth corrosive layer of object surface to physical blasting burst, and move through the high speed laser spot to form a plume that will clean the debris to complete the cleaning. Mainly used in metal rust.



# Product Application

Widely used in metal surface derusting, surface paint removal paint treatment, surface without dirt, stains, dirt cleaning, surface coating, coating removal, welding surface / spray surface pretreatment, stone surface dust, attachment removal and rubber mold residue cleaning.

## Product Features

First high power fiber laser cleaning machine in China.  
Non-contact cleaning, no damage to workpiece.  
Precision positioning, selective cleaning, desired cleaning area can be applied to the workpiece.  
No need chemical detergent, no consumable. Safe & environment-friendly.  
Easy to operate, either portable or equipped with robot for automatic cleaning.  
High cleaning efficiency, time-saving.  
Stable laser cleaning system, free maintenance.

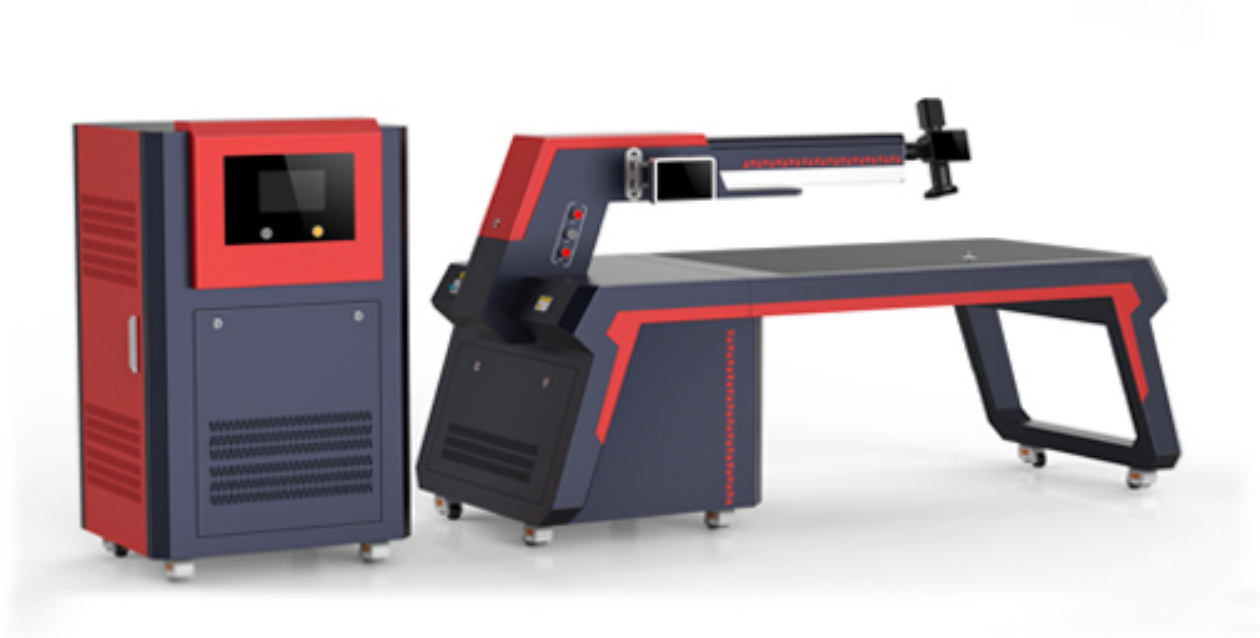
## Technical Parameters

Model	RL-CL100 / RL-CL500
Laser Power	100W / 500W
Supply Voltage	Single-phase 220V ± 10%, 50 / 60Hz AC
Power Consumption	800W
Set the Environment	Flat, no vibration, no impact
Work Environment Humidity	≤80%
Fiber Length	5m(10 meters can be customized)
Move Method	Hand pushing
Scanning Width	10-80mm
Laser Average Power	≥100W
Output Power Instability	<3%
Power Adjustment Range(%)	10-100(adjustable gradient)
Focus Spot Diameter	0.08mm
Center Wavelength	1064nm
Repeat Frequency	20-200KH (adjustable gradient)
Single Pulse Energy	1.5mJ
Peak Power Maximum	10KW
Weight	60 kg / 200kg
Power Supply	220 VAC, 1000 W / 220VAC, 2500 W
Cooling Model	Air cooling
Size	561mm×320mm×468mm / 1257×672×744mm



# Laser Welding Machine

RL-YF460



## Sample Display



# Product Application

Widely used in kitchen and bathroom industry, home appliance industry, advertising industry, mold industry, stainless steel door and window industry, handicraft industry, home goods industry, furniture industry, auto parts industry and other hardware industries.

## Product Features

- 1. High power, thick plate is easy to handle, to meet the needs of high-end customers.
- 2. Keep the traditional hard light path, double-light path intelligent switching, multi-purpose.
- 3. Oversized tempered glass countertop.
- 4. Hand-held welding head is equipped with five meters of imported fiber, which is flexible and convenient.

## Technical Parameters

Model	RL-YF460
Laser Wavelength	1064nm
Fiber Model	German SI/GI fiber
Maximum Laser Power	500W
Aiming and Positioning	Red light (optional CCD)
Pulse Device	Xenon lamp
Number or Fiber Outputs	1 way (standard)
Laser Type	Nd:YAG
Cooling Method	3P water cooling
Single Pulse Width	0.1~20.0ms
Pulse Frequency	1~50Hz
Spot Size	0.2~3.0mm
Total Power	16KW
Power Input	AC220~240V 50/60Hz
Working Desk Size	2000*1000 (Steel flower glass

# 3D Metal Printing Machine

RL-M 100 / 300 / 500



## Sample Display



# Product Application

Widely used in dental, orthopedics, jewelry, precision tiny components R&D and production academic and college training.

## Product Features

- Gas shield protection system and double filters – safty and stability.
- Lower oxygen content with vacuum -aid-system.
- Multi –types of changeable soft blades.
- Directly import CAD date without standby time.
- More application and adaptability to industrial manufacturing and scientific development with higher quality.

## Technical Parameters

Laser Type	200 W Yb-fiber laser(or 500W)
Precision Optics	High-accuracy galvo scanning system
Scanning Speed	Up to 7m / s
Building Volume	100mm*100mm*100mm(optional)
Layer Thickness	0.02mm-0.1mm
Powder Delivery	One way-double powder tanks
Material	Stainless steel 316l alloy, cobalt chrome alloy, Ti64 alloy, high temperature alloy, mold steel alloy and precious metal etc.
Operating System	64 bit Windows 7
System Control Software	Riselaser self-developed control system
Data File Format	STL or other convertible format
Power Supply & Consumption	220V 50 / 60Hz 32A 1ph(single phase)
Dimensions	1200mm(L)*800mm(W)*1700(H)
Working Environment Temperature	15-26°C



# Riselaser Spare Parts



2000W-6000W Multi-mode  
Continuous Fiber Laser



Chiller



500W-2000W Single-mode  
Continuous Fiber Laser



20W-100W Fiber Laser Source



Rotation Device



Cutting Head



F-theta Lens



Scanning Head