



Riselas

深圳市华升激光科技有限公司
SHENZHEN RISELASER TECHNOLOGY CO., LTD

RL-20P Portable Mini 20W Fiber Laser Marking Machine

Main Features:

Compact: Small size but composed of laser device, auto controller and precision machinery.

Precision: Re-position precision is 0.01mm

Easy Operation: The specific marking software based on Windows system can adjust the laser power and pulse frequency in real time. You can edit in specific marking software and graphics software (such as AutoCAD, CorelDRAW and Photoshop), and input and output through your own computer.

High Reliability: MTBF > 100,000 hours

Energy consumption: The efficiency of optic-electrical converting is up to 30%

Advantages

1. It can process a variety of metal and non-metal materials. Especially has obvious advantages while marking on high-hardness, high-melting-point, and brittle materials.
2. Non-contact processing, no product damage, no tool wear.
3. The laser beam is thin, the processing material consumption is small, the processing heat-affected area is small, and the marking quality is good.
4. It adopts computer control, easy to realize automation and is of high processing efficiency.

Samples



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Website: www.riselas.com www.shdlaser.com

Address: Building 5, COFCO (Fuan) Robot Intelligent Manufacturing Industrial Park, No. 90 Dayang Road, Fuhai Street, Bao'an District, Shenzhen, China, 518103



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Technical Parameters:

1 Integration In A Body

Fiber Laser

Licensed Marking System

Intel IPC

Power Supply

8mm High Speed Scanner

2 Mini Small Light Convenient **13kg More Light**

3 8000mm/s Speed Integration 8mm High Speed Scanner High Efficiency

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4 Multi-dimension Flexible Marking

5 Competitive price
Highly cost-effective

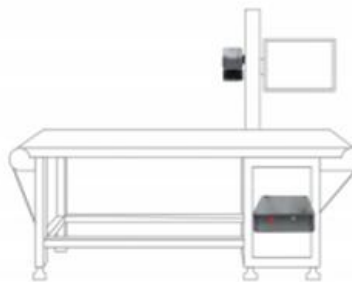
6 Super Flexible



Desktop Laser Marking Machine



Table Laser Marking Machine



Non Standard Laser Marking Machine



Portable Laser Marking Machine

Specifications		
Laser Power	9.5 ± 0.5 W	19.5 ± 0.5 W
Wavelength	1064 nm	
Beam Quality	M ² < 1.4	
Frequency modulation	20-50 khz	30-60 khz
Marking scope	100/200 mm	
Carving line speed	0-8000 mm/s	
Pair/focus mode	By hand	
Marking Speed	600-1000 character /min	
Minimum width	0.02 mm	
Minimum character	0.15 mm	
Repeatability precision	± 0.002 mm	
Cooling	Air Cooling	
Operating Environment	Clean and dust free	
Operating Temperature	10-35 °C	
Power Consumption	≤ 100 W	≤ 160 W
Power Supply	AC220V ± 10%, 50 HZ	

Computer configuration parameters	
CPU	Intel J1900 Processors
Chipset	Intel BayTrail
RAM	ADATA 4G DDR3L 1600;
BIOS	AMI EFI BIOS
Super I/O	Winbond W83627DHG-P
Ethernet	1x LAN Intel I211 (IO port)
Graphic control	Intel HD Graphics
Display port	1x HDMI; HDMI, Max Resolution 1920 × 1200@60Hz
Hardware	32G
USB port	4x USB2.0
Serial port	1x RS232 (pin) , and COM1 can support RS422, RS485 mode
Operating system	Windows 7 32-bit Chinese Professional Edition; support Windows 7/Windows 8/Windows 10/Linux
Environment	Operating Temperature : 0°C - 60°C Storage Temperature : -40°C - 85°C
Humidity	5% - 95% Relative humidity, no condensation

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Applicable Materials:

Metals (like steel, titanium, copper as well as rare metals), electroplating materials, coating materials, plastics, rubber, epoxy resin, ceramic, plastic (ABS, PVC, PES), and other materials.

Material	CO2 Laser machine	Material	fiber laser machine
Wood	√	Aluminum	√
Acrylic	√	Stainless Steel	√
Fabric	√	ABS	√
Glass	√	Brass	√
Coated Metals	√	Carbon Fiber	√
Ceramic	√	Carbon Nanotube	√
Delrin	√	Cobalt Chrome Steel	√
Cloth	√	Copper	√
Leather	√	Colored Delrin	√
Marble	√	Diallyl Phthalate	√
Matte Board	√	Glass Filled PPEK	√
Melamine	√	Glass Filled Teflon	√
Paper	√	Magnesium	√
Mylar	√	Metal Plated Ceramics	√
Press Board	√	Molybdenum	√
Rubber	√	Mild Steel	√
Wood veneer	√	Nylon	√
Fiber Glass	√	Polybutylene Terephthalate	√
Painted Metals	√	Polysulphone	√
Tile	√	PET	√
Plastic	√	Santoprene	√
Cork	√	Silicon Carbide	√
Corian	√	Silicon Steel	√
Anodized Aluminum	√	Silicon Wafers	√

Certificate

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Exhibition



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