



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

Portable Fiber Laser Marking Machine for Metals

Product Introduction

Portable fiber laser marking machine for metals, with high conversion efficiency of electric-light, is mainly used to the field which requests high notching quality, smoothness and precision, such as horology, communication etc.

The portable model takes up less space and is easy to move. The adjustable lift table is suitable for marking materials of different thicknesses.



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Features

- * Compact: The high-tech product, which is combined of laser device, computer, auto controller and precision machinery.
- * High Precision: Re-position precision is 0.002mm.
- * High Speed: Imported scanning system makes the scanning speed up to 7m/s.
- * Easily Operating: Afford the specific coding software based on Windows, you can input and output by computer according to edit in the both of the specific coding software and the graphic software such as Auto CAD, CorelDRAW and Photoshop.
- * High Reliability: MTBF>100,000 hours.
- * Energy Saving: The efficiency of optic-electrical converting is up to 30%.
- * Low Running Cost: No wearing part. Free of maintaining.

Technical Parameters

Product Name	Portable fiber laser marking machine		
Model	RL-20P	RL-30P	RL-50P
Power	20W	30W	50W
Wavelength	1064nm		
Minimum Line Width	0.02mm		
Single Pulse Energy	0.5mJ	0.8mJ	1.0mJ
Beam Quality	<1.3~2.0M ²		
Spot Diameter	6~8mm		
Repeat Frequency	1~400KHz		
Power Adjust Range	10-100%		
Minimum Characters	0.1mm		
Marking Range	110mm*110mm / 160mm*160mm optional		
Marking Speed	≤7000mm/s		
Cooling Method	Air cooling		
Operating Environment	10°C~35°C (Non-condensing)		
Electricity Demand	220V (110V) / 50hHz 60Hz)		

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Application

Medicines, gifts, trademark signs, the phone keypad, plastic translucent keys, electronic components, integrated circuits (IC), electrical appliances, communication products, sanitary ware, tool accessories, knives, watches, jewelry, car accessories, luggage buckle, cooking utensils, stainless steel products and other industries.

Any metal (including rare metal), such as copper, titanium, steel, stainless steel, gold, silver, aluminium, etc. and non-metallic materials, such as ABS, Nylon, PES, PVC, poly carbonate, etc.



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