



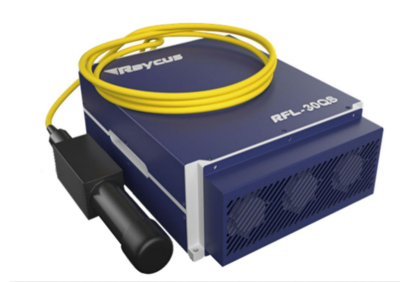
深圳市华升激光科技有限公司

SHENZHEN RISELASER TECHNOLOGY CO., LTD

## Raycus RFL-20S/30S Q-switched Pulsed Fiber Laser Source

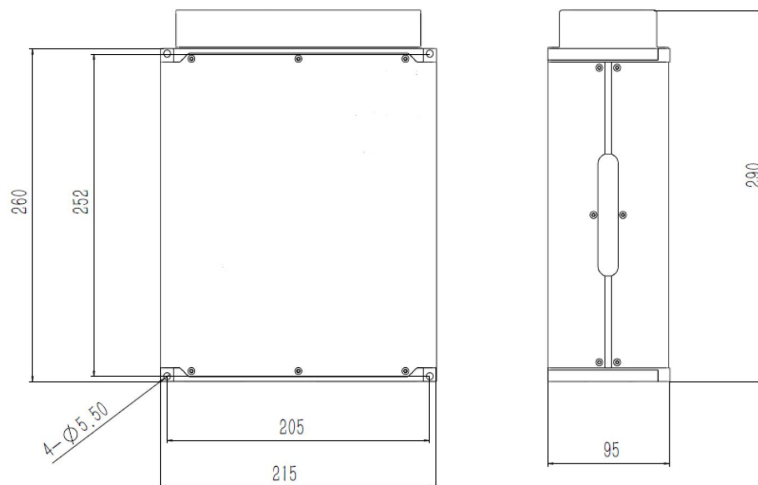


Riselaser



### Product description

Raycus pulsed lasers are specially developed and manufactured for high-speed and efficient laser marking systems. It provides an ideal high-power laser energy source for industrial laser marking machines and other applications. The laser can emit pulsed lasers with wavelengths of 1060~1085nm, which can be controlled through industrial laser standard interfaces. The laser needs to use 24V DC power supply. Compared with traditional lasers, pulsed lasers have a conversion efficiency of more than 10 times, lower energy consumption, and are suitable for laboratory or outdoor operation. It is compact, can be placed independently, can be used at any time, and can be directly embedded on the user's device.





### Riselaser Advantages

- 1.High stability laser output
- 2.High single pulse energy
- 3.High marking efficiency
- 4.Short pulse settling time
- 5.High reliability
- 6.Maintenance-free operation

### Application

RFL-20S/30S is an industrial grade **MARKING** and micro-processing laser source developed by Raycus Laser. This series of Q-switched pulsed lasers have the characteristics of high peak power, high single pulse energy, and optional spot diameter. They can be widely used in non-metallic gold, silver, copper, aluminum and non-high reflective material stainless steel, etc. Material marking, precision machining, graphic engraving and other fields. Compared with traditional lasers, its cost is lower and its performance is more stable.

### Parameters

Pulsed fiber laser	20QS	30QS
Wavelength (nm)	1064±5	1064±5
Average output power (W)	≥20	≥30
Single pulse energy (mJ)	0.67	0.75
Power instability	<3%@24hrs	<3%@24hrs
Beam quality (M <sup>2</sup> )	≤1.5	≤1.6
Spot diameter (mm)	6~8	6~8
Pulse width (ns)	110~140 @30kHz	130~150 @40kHz
Repeat frequency (kHz)	30-60	40-60
Output power adjustment range (%)	10~100%	10~100%
Output light interval length (m)	3.2±0.2	3.2±0.2
Working voltage (VDC)	24±1	24±1
Power consumption (20°C)(W)	<150	<200
Cooling method	Air cooling	Air cooling
Size W×D×H (mm)	290*215*95	290*215*95
Operating temperature	0°C~40°C	0°C~40°C
Storage temperature	-10°C~60°C	-10°C~60°C
Humidity	30%~85%	30%~85%



**Riselaser  
Certificate**

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### Exhibition



E-mail: [carina@riselaser.com](mailto:carina@riselaser.com)

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Website: [www.riselaser.com](http://www.riselaser.com)      [www.shdlaser.com](http://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