

风冷连续光纤激光器

AIR-COOLED CW FIBER LASER

先导激光风冷连续激光器基于单腔振荡结构设计，风冷散热条件下输出功率为800~1500W。该设备采用自主研发的被动散热泵浦源，合理设计散热系统，结构小巧紧凑，散热稳定，稳定连续工作的优越性突出。设备广泛应用于激光手持式焊接，便携式户外激光加工等场景。

The VLS air-cooled CW laser is designed based on a single-cavity oscillation structure, and the output power is 800~1500W under air-cooled heat dissipation conditions. The device uses a self-developed passive heat dissipation pump source, a reasonably designed heat dissipation system, a compact structure, stable heat dissipation, and outstanding advantages in stable and continuous operation. The device is widely used in laser handheld welding, portable outdoor laser processing and other scenarios.



产品特点

Product Features

- 紧凑尺寸

Industrial grade compact size
- 高光束质量

High beam quality
- 高能效比

High energy efficiency ratio
- 高稳定性

High reliability

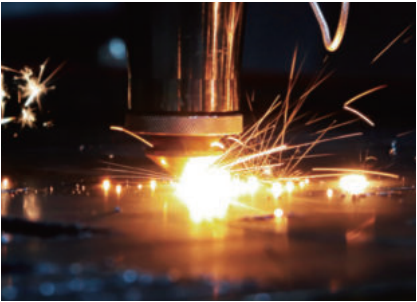
产品参数

Product parameters

型号 Model		VLS-FB-AS-800	VLS-FB-AS-1200	VLS-FB-AS-1500
光学特性 Optical Properties				
中心波长 Wavelength		1080±5nm		
额定输出功率 Rated Power		800W	1200W	1500W
工作模式 Operation Mode		连续/调制 Continuous/Modulated		
偏振方向 Polarization Direction		随机 Random		
输出功率不稳定性 Power Instability		±1.5%		
输出头形式 Output Head Type		QBH（可定制Customized）		
光纤芯径 Fiber Core Diameter		20（可定制Customized）		
数值孔径 Numerical Aperture		0.075（可定制Customized）		
光纤长度 Fiber Length		10（可定制 Customized）		
指示光 Indicator Light		650nm 0.5~1mW		
电学特性 Electrical Properties				
工作电压 Operation Voltage		AC 220V±10%、50/60Hz		
最大功耗 Max Power Consumption		2500W	4000W	4500W
控制方式 Control Method		RS232/外控IO RS232/external control IO		
其他特性 Others				
外观尺寸 Dimensions		404x510x134mm		
重量 Weight		≤25Kg		
工作环境 Operation Environment		温度5~40℃，湿度65% Temperature 5~40℃, humidity 65%		
存储环境 Storage Temperature		-10~60℃		
冷却方式 Cooling Method		风冷 Air cooling		

应用领域

Application Fields



激光切割
Laser Cutting



激光焊接
Laser Welding



手持焊机
Handheld Welder