

## HIGH POWER GALVANOMETER WELDING SYSTEM

### 高功率振镜焊接系统



#### 产品特点

##### FEATURES



采用高精度高速度的数字光栅振镜，焊接速度可达3000mm/s。

Adopt high precision and high speed digital grating galvanometer, welding speed up to 3000mm/s.



采用闭环控制系统，时刻监控振镜位置状态。

Adopt closed-loop control system to monitor the position and status of the galvanometer at real time.



采用高级别的系统安全机制，可10ms内关掉激光。

Adopt high level system safety mechanism, turn off laser within 10ms.



拥有水冷、气冷双系统，和高端厚重的机柜。

Support both water cooling and air cooling system. With high-end and dignified cabinet.



具有多种摇摆功能：波浪形轨迹、螺旋线轨迹、8轨迹、∞轨迹。

With a variety of swing functions: wave-shaped trajectory, spiral trajectory, 8 trajectory and ∞ trajectory.



自主设计上位机软件，有能量波形、摆动功能、焊接参数等功能，具有调试、自动焊接模式。

Independent design PC software, It sets energy waveform, swing function, welding parameters, with debugging mode and automatic welding mode simultaneously.

#### 技术参数

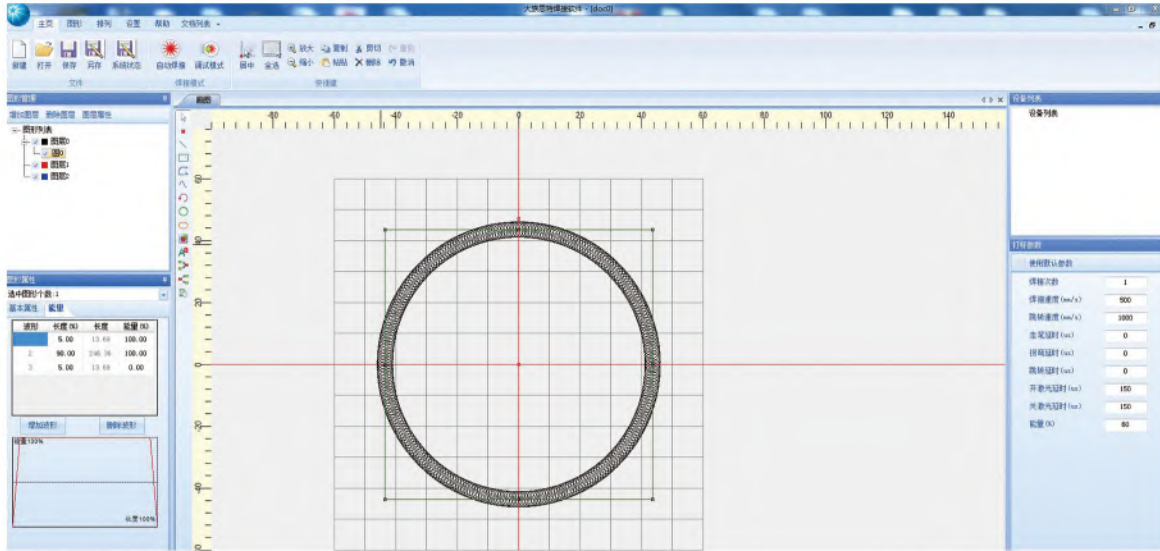
##### TECHNICAL PARAMETERS

		雷霆 Thunder 6000	雷霆 Thunder 3000
最大激光功率	Maximum Laser Power (w)	6000	3000
激光波长	Laser Wavelength (nm)	1070±10	
场镜有效焦距	F-theta Lens Effective Focal Length (mm)	460	
焊接范围	Welding Range (mm)	220×220	
工作高度	Operating Height (mm)	565	
准直镜有效焦距	Collimator Effective Focal Length (mm) <sup>①</sup>	150	
光纤连接方式	Fiber Connection Method	QBH	
通光孔径	Clear Aperture (mm)	30	
最大焊接速度	Maximum Welding Speed (mm/s)	3000	
工作温度	Operating Temperature (°C)	25±10	
重量	Weight (kg)	20	

注：① 可选配其它焦距准直镜  
 ② 使用焦距F=460mm的场镜测试

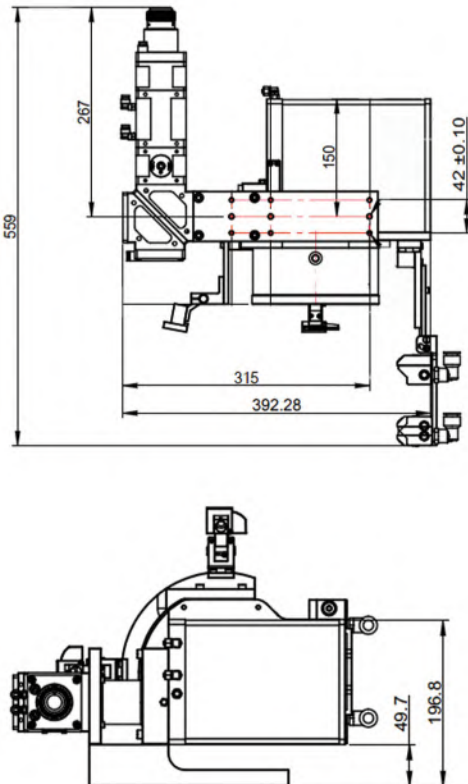
Note: ① Different focus length collimator available  
 ② Test with F=460mm F-theta lens

## □ 上位机软件界面 SOFTWARE INTERFACE



## □ 外形尺寸图 TECHNICAL DRAWING

高功率焊接振镜外形安装尺寸  
Installation dimension of high power welding galvanometer



机柜外形尺寸图  
Technical drawing of cabinet

