

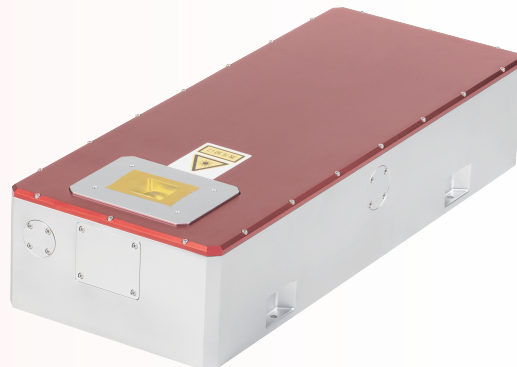
超皮秒 固体激光器

Picosecond solid-state laser

特点 Characteristic

在满足治疗对功率密度要求的情况下，降低能量，在保持脉宽、光斑不变的基础上优化光学系统及结构方案

Reduce energy while meeting the power density requirements for treatment, optimize the optical system and structural scheme while maintaining pulse width and spot unchanged



优势 Superiority

- 成本优势
- 窄脉宽、高峰值功率
- 用户体验好、疼痛感低、不出血、恢复快
- 可提供电源、导光臂、整机技术支持和解决方案

Cost advantage

Narrow pulse width, high peak power

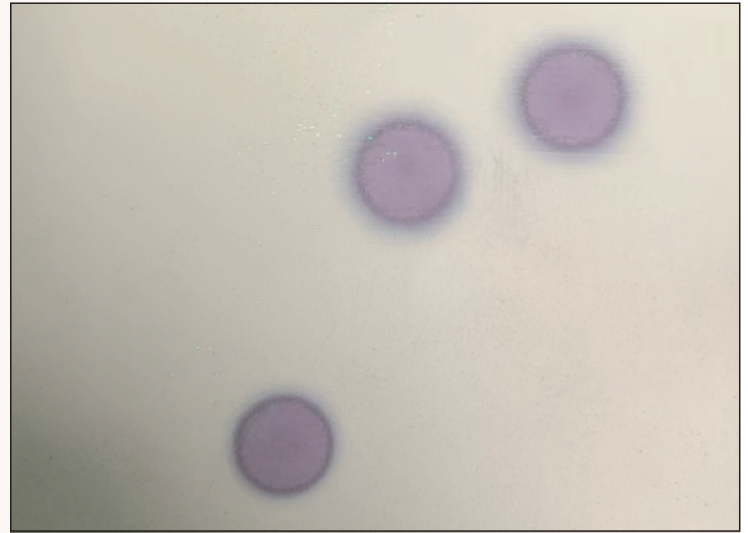
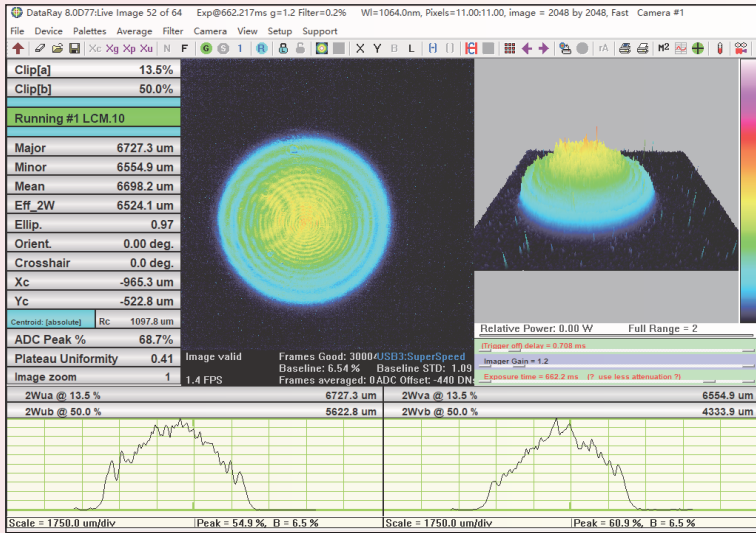
Good user experience, low pain, no bleeding, and fast recovery

Can provide power supply, light guide arm, complete machine technical support and solutions

参数 Data sheet

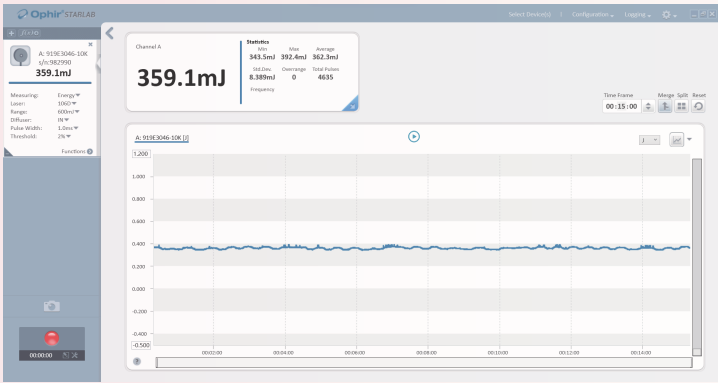
技术指标 Technical Indicators	超皮秒 Ultrapicosecond
波长/Wavelength (nm)	1064&532nm
单脉冲能量/Single pulse energy (mJ)	300-500mJ@1064nm/150-250mJ@532nm (Customizable)
脉冲宽度/Pulse width (ps)	350-500 (Customizable)
重复频率/Repetition frequency (Hz)	1-10Hz
发散角/Divergence angle (mrad)	≤5
光束质量/Beam quality M ²	≤5
光斑直径/Spot diameter	≈12
能量稳定性/Energy stability RMS (%)	≤3%@1064nm/≤5%@532nm
输入功率/Input power (W)	1000
制冷量/Refrigeration capacity (W)	<600W
工作环境温度/Working environment temperature (°C)	10-35 C
工作环境湿度/Working environment humidity (%)	<60%
激光器冷却介质/Laser cooling medium	Deionized water, distilled water, purified water

测试 Test

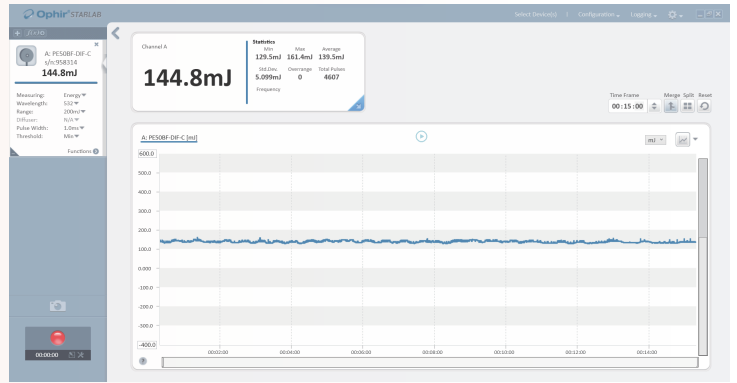


CCD测试光斑均匀性接近平顶分布/Spot distribution close to flat top

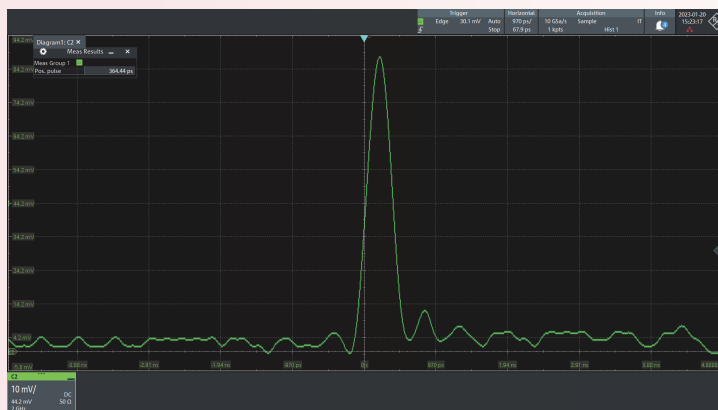
相纸测试光斑呈圆形/The photo paper test light spot is circular



波长1064nm-输出能量350mJ, RMS: 2.3%/Energy 350mJ



波长532nm-输出能量150mJ, RMS: 3.6%/Energy 150mJ



测试脉宽364ps/Test pulse width 369.44ps

