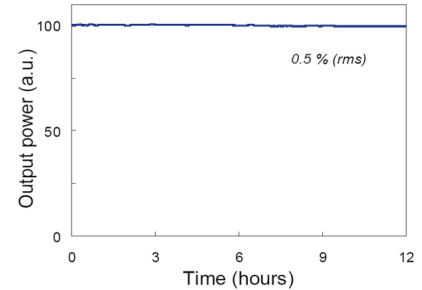
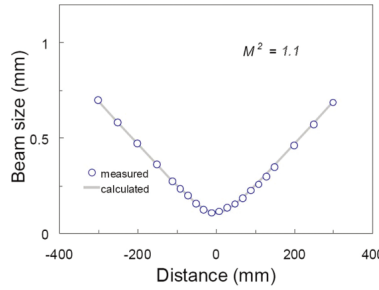
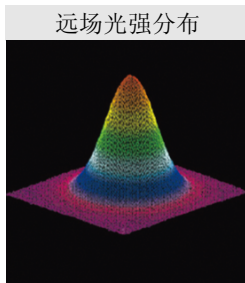
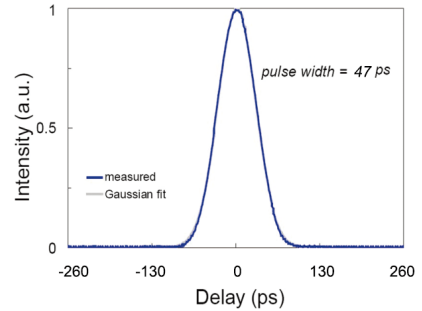
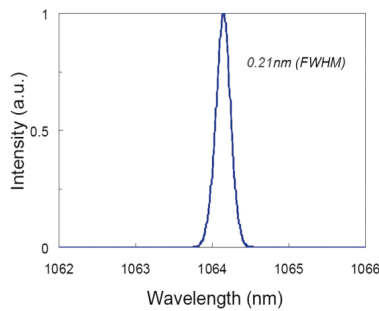
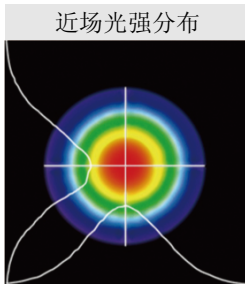
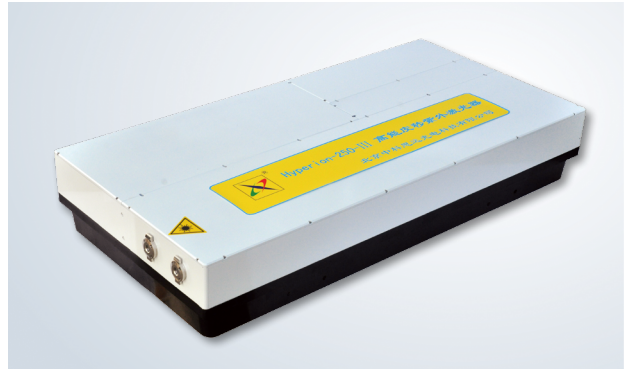




Hyperion高能皮秒激光器

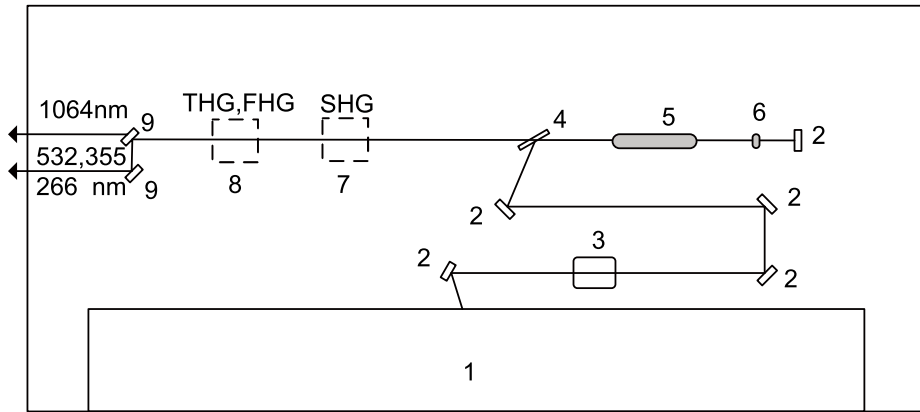
- 全固态饱和吸收体
- 再生放大
- 闪光灯泵浦高能放大
- 大能量



系统特性	Hyperion-50	Hyperion-100	Hyperion-250	Hyperion-500
脉冲宽度 (FWHM)	≤15 ps	≤15 ps	≤20 ps	≤50 ps
重复频率	10 Hz	10 Hz	10 Hz	1 Hz
能量				
1064 nm	50 mJ	100 mJ	250 mJ	1 J
532 nm (可选)	25 mJ	50 mJ	125 mJ	500 mJ
355 nm (可选)	15 mJ	30 mJ	80 mJ	--
266 nm (可选)	5 mJ	10 mJ	25 mJ	--
能量稳定性	±2.0% RMS	±2.0% RMS	±2.0% RMS	±2.0% RMS
光斑直径 (1/e ²)	8 mm	10 mm	12 mm	20 mm
光斑模式	TEM ₀₀ 或平顶	TEM ₀₀ 或平顶	平顶	平顶
光斑发散角 (1/e ²)	<1 mrad	<1 mrad	<0.5 mrad	<0.5 mrad
偏振比	100 : 1	100 : 1	100 : 1	100 : 1
光束指向稳定性	±30 μrad	±30 μrad	±30 μrad	±30 μrad
预热时间	<5 分钟	<5 分钟	<5 分钟	<5 分钟

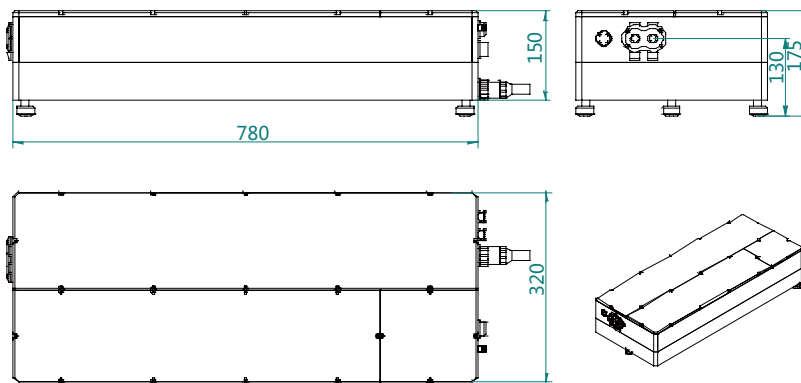


激光器内部结构和尺寸



- | | | |
|------------|----------------|--------------|
| 1. mJ皮秒激光器 | 2. 1064 nm 转向镜 | 3. 中继成像 |
| 4. 偏振器 | 5. 放大器 | 6. 波片或法拉第旋转器 |
| 7. 可选二次谐波器 | 8. 可选三倍、四倍谐波器 | 9. 分束镜 |

Hyperion-50激光器尺寸



Hyperion-250激光器尺寸

