

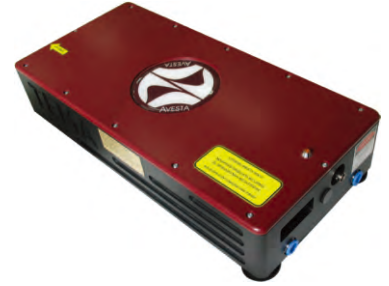
TeMa Yb飞秒固体激光器

特点：

- 输出功率 > 6 W
- 窄脉宽, < 100 fs
- 体积小
- 集成泵浦源
- 高稳定
- 飞秒自启动
- 可选外置脉冲压缩器 < 15 fs

应用：

- 放大器的种子振荡器
- 多光子激发显微镜
- 泵浦探针光谱技术
- 产生超连续谱
- 产生太赫兹辐射
- 时分辨光谱技术
- 光学相干层析技术



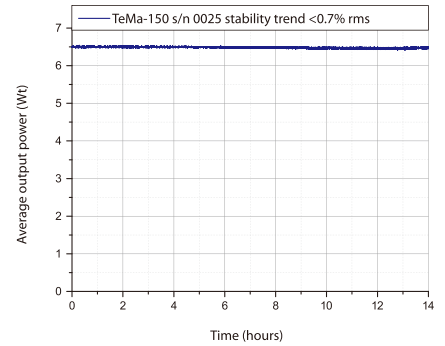
掺镱TeMa激光器波长 1050 ± 5 nm，输出功率可达6 W，可以在微米波长达到钛宝石激光器同样的额定功率。

集成泵浦源，系统更加稳定，使用方便。激光器整体设计保证最大刚度，同时自启动设计可以实现即插即用。

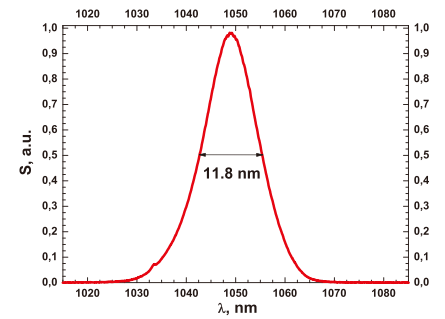
技术参数

	TeMa-100	TeMa-150
Pulse duration (FWHM)*	<100 fs	<200 fs (<150 fs typical)
Wavelength (fixed)	1050±5 nm	
Output power*	>3.5 W	>6 W
Output power** @525±2 nm	>1.7 W	>3 W
Pulse energy*	>50 nJ	>85 nJ
Repetition rate (fixed)*	70±5 MHz	
Output power stability***	<1% rms	
Spatial mode	TEM ₀₀	
Polarization, linear	>100:1 (horizontal)	
Laser head dimensions	412x190x93 mm	
Power supply dimensions	290x200x80 mm	

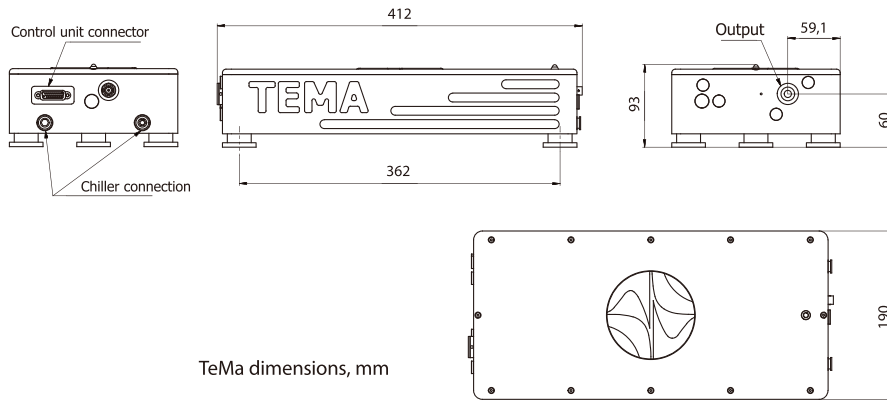
* - custom values available upon request; pulse duration down to 15 fs is available with optional external compressor;
 ** - with optional SHG extension;
 *** - at equal room conditions over 12 hours after 30 minutes of warm-up.



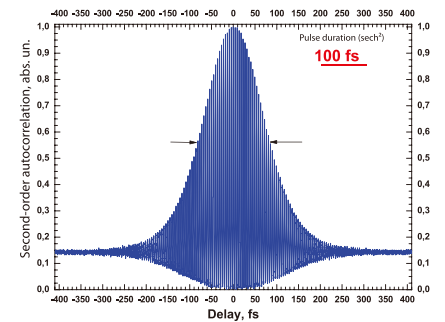
TeMa stability graph



TeMa typical generation spectrum



TeMa dimensions, mm



TeMa autocorrelation trace