



Amplifiers



Cr:Forsterite TW system

- Stable generation of 1TW pulse power
- Low beam distortion
- High stability



Terawatt Femtosecond System

Product overview

Our company has developed the terawatt femtosecond chromium-doped forsterite laser system, based on oscillator, regenerative amplifier and four stages of multi-pass amplifiers. The system can generate 80 fs pulses at 1240 nm wavelength, with pulse power more than 1 TW at 10 Hz.

	TW Cr:F
Wavelength, nm	1250
Pulse duration (FWHM), fs	60-80
Pulse power, TW	1-2
Output stability, RMS	<2%
Repetition rate, Hz	10
Beam divergence, mrad	<2
Spatial Mode	TEM ₀₀
Polarization, linear	horizontal
Contrast ratio	>1000:1