

Collegiate™ - Ultrafast Ti:sapphire oscillator kit

Legendary Ti:sapphire laser oscillators for Ultrafast educators

Applications

- Undergraduate advanced optics labs
- Frequency conversion into the UV and mid-IR
- Pumping OPOs
- Materials Research
- Femtochemistry
- Spectroscopy
- THz Generation
- Ultrafast Imaging
- 2-photon polymerization

Features

- Average powers up to > 500 mW
- Maximum pulse energy >5.2 nJ
- User-configurable repetition rates from 75-102 MHz
- Configurable power
- Micrometer control of the center wavelength and bandwidth of the oscillator spectrum
- Manually tunable pulse duration
- < 12 fs pulse duration
- Excellent beam quality: Near TEM₀₀
- Electronics package and computer control option available
- Custom configurations available

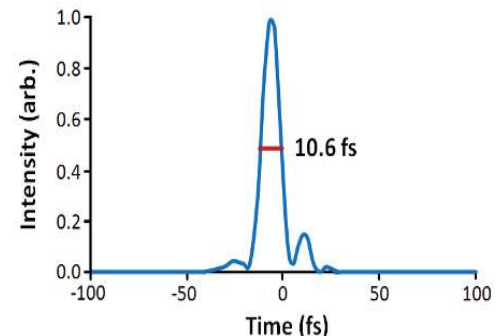
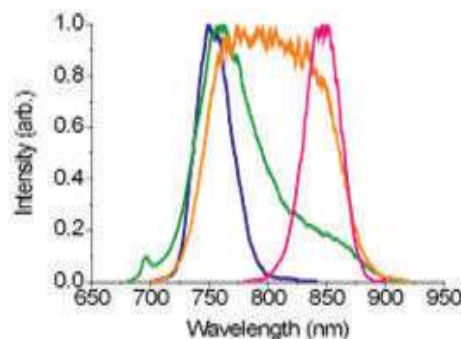


Back by popular demand, the **Collegiate™** is the original KMLabs oscillator kit. When it was introduced in 1994, this was the first commercial Ti:sapphire laser capable of generating pulses less than 12 femtoseconds in duration. Although KMLabs now offers turn-key laser systems, the Collegiate™ is a low-cost, entry-level Ti:sapphire laser system with work famous performance.

Collegiate™ Unique Features

- Components easy to access and understand
- Low-cost, entry-level Ti:sapphire laser
- Components factory-tested as a set
- Same short pulse operation and tunability found in the Griffin™ series

Collegiate™ Tunability and Pulse Duration



Contact us for full specifications or with questions