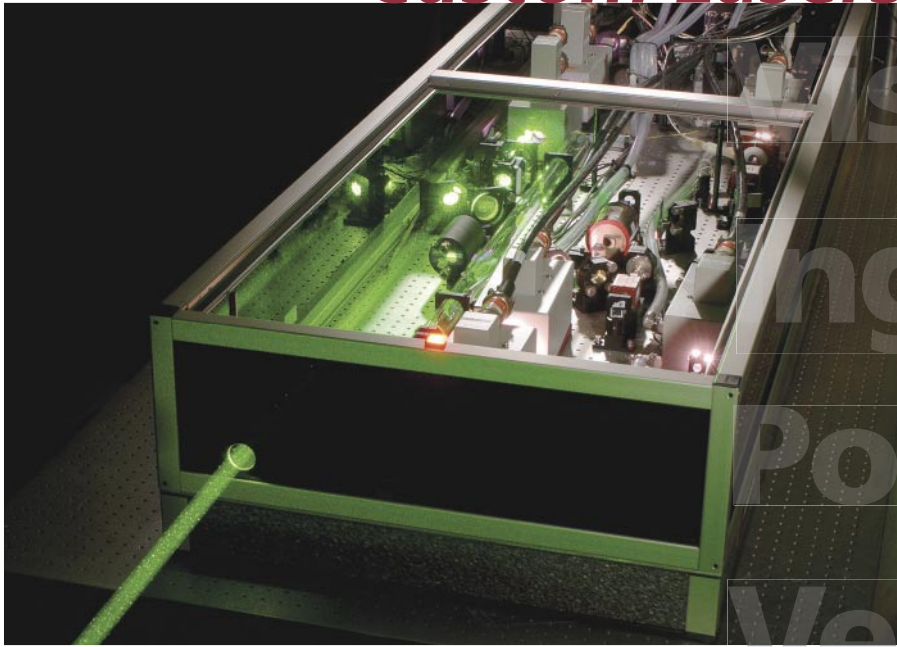


Custom Lasers



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Precision
Ingenuity
Power
Versatility

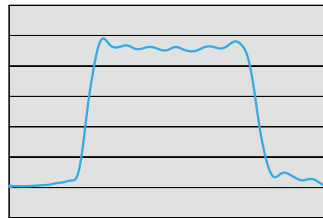
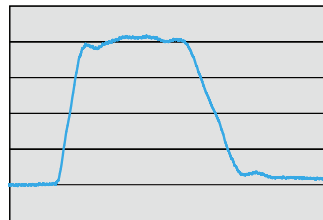
OPCPA Pump Laser

In its tradition of building superior pump sources for amplifiers used in the high-intensity laser community, Continuum has tailored a system that is ideal for the demands of cutting-edge Optical Parametric Chirped Pulse Amplifier systems. The laser provides over 4J of 532nm light in a superior spatial profile that Continuum is known for, and a flat temporal profile that is unrivaled in the industry.

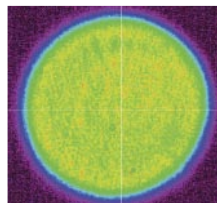
Additionally, the Continuum OPCPA pump is designed to allow a user to modify the spectral content of the pulse by making adjustments in the SLM front-end. This accommodates, rather than avoids the effects of gain depletion in the amplifier sections of the laser. The resulting laser pulse has unparalleled temporal flatness with an adjustable pulse shape, thus modifying the spectral and temporal profile of the amplified pulse as needed for future experiments.

The Continuum OPCPA pump represents the state-of-the-art in design and implementation of a laser source required for a technically stringent application. The laser's temporally flat and spatially superior beam profiles provide unmatched performance in a cost-effective, upgradable and highly reliable package.

photograph - 25mm, 4J beam at 532nm. 4ns temporally shaped pulse for OPCPA pumping.



Temporal Profiles of OPCPA pump lasers.



Spatial Profile of OPCPA pump laser.

For more information, please contact your local Continuum representative, www.continuumlasers.com, or call 1(866)532-1064.

Continuum
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