



Invitation to Laser World of Photonics 2011

May 2011

Calmar Laser Inc., a leading developer and manufacturer of ultrafast fiber lasers, will exhibit its latest product offerings at Laser World of Photonics during May 23 - 26, 2011, in Munich Germany with our local distributor Polytec GmbH. The booth number is **447** in **Hall B1**.

Please join us and see our new high power and high pulse energy ultrafast fiber laser products:

- The highly recognized and successful Cazadero 20  $\mu\text{J}$  high pulse energy femtosecond fiber laser
- The latest addition to the Mendocino family...a revolutionary high power, 500 mW, 780 nm, 150 fs laser in an ultra compact, "laser-pointer" style package

Our Cazadero **FLCPA** high pulse energy, femtosecond fiber laser product family will be on display. For all your microsurgery, athermal, precision materials processing, micromachining needs...from corneas to stents, we have increased the pulse energy to 20  $\mu\text{J}$ .

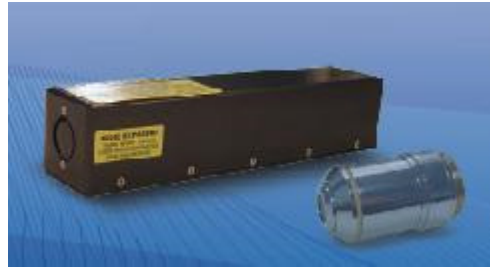
*Pulse Energy up to 20  $\mu\text{J}$   
Wavelength 1030 nm  
Pulse Width 500 fs  
Beam Quality  $TEM_{00}$ ,  $M^2$  1.2  
Repetition Rate up to 200 KHz  
Capable of Synchronizing to external RF clock*



Cazadero high pulse energy femtosecond fiber laser

Designed for OEM and scientific biophotonics applications, the ultra compact Mendocino **FPL-05R** laser head allows you to bring high power, ultrafast pulses directly to your sample in the smallest spaces for live-cell imaging, multi-photon microscope, terahertz generation, etc.

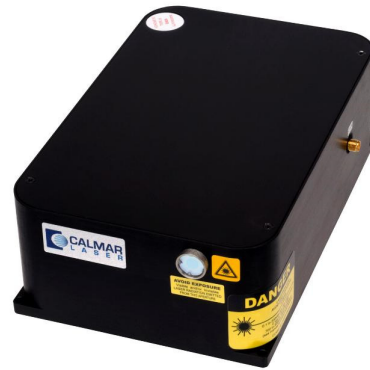
Average Power 500 mW  
Wavelength 780 nm  
Pulse Width 150 fs  
Beam Quality  $TEM_{00}, M^2 1.1$   
Repetition Rate 50 MHz  
Ultra Compact Laser Head: 3 x 3 x 13.5 cm



High Power Mendocino Head  
(compared with a  
microscope objective lens)

Also you will see Mendocino OEM seed 780 nm femtosecond fiber laser module **FPL-M2R**, the reliable, preferred oscillator with integrated electronics for seeding high energy Ti:sapphire amplifiers.....just apply +5V of power.

Average power > 10 mW  
Wavelength 780 nm  
Pulse Width < 100 fs  
Beam Quality  $TEM_{00}, M^2 1.1$   
Repetition Rate 30 MHz



Mendocino OEM seed 780 nm laser

Plus we have a full range of laser and amplifier solutions for all your application needs.

Small form factor  
Ruggedized packaging  
Shock and vibration proof  
Air cooling  
High reliability  
Long term stability  
Low maintenance  
Low cost of ownership



Perfect building blocks for systems  
integration

## About Calmar Laser

Calmar Laser manufactures innovative fiber laser and fiber amplifier solutions for OEM, industrial, medical and scientific applications. Since 1996 Calmar has been a key supplier and reliable OEM partner to customers for advanced high-speed test and measurement, biomedicine, micromachining, and defense applications. Today, Calmar is an industry leader in supplying robust, compact, ultrafast fiber lasers designed for simple hands-off reliable operation. For more information about Calmar Laser and product updates, visit the Company's Web site at <http://www.calmarlaser.com/>

## Company Contact:

Dr. Peter Hu, Director of Sales and Marketing,

Email: [peter.h@calmarlaser.com](mailto:peter.h@calmarlaser.com)

Tel: 1.408.733.7800 ext. 110

## [Forward email](#)



This email was sent to [peter.h@calmarlaser.com](mailto:peter.h@calmarlaser.com) by [peter.h@calmarlaser.com](mailto:peter.h@calmarlaser.com) | [Update Profile/Email Address](#) | Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

Calmar Laser | 755 N Pastoria Ave | Sunnyvale | CA | 94085