



Invitation to BIOS and Photonics West 2011

January 2011

Calmar Laser Inc., a leading developer and manufacturer of ultrafast fiber lasers, will exhibit its latest product offerings at BIOS and Photonics West 22<sup>nd</sup> - 27<sup>th</sup> January 2011, in San Francisco, Moscone Center.

**Please join us at: Booth #8529 (BIOS) and # 529 (PW) and be the first to see our new high power and high pulse energy ultrafast fiber laser solutions.**

**See 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!!!**

**Designed for OEM and scientific biophotonics applications, the Mendocino FPL-05RFF0 allows you to bring high power, ultrafast pulses directly to your sample in the smallest spaces!!!**

*Ultra Compact Laser Head: 3 x 3 x 13.5 cm  
(WxHxL)  
High Power 500 mW  
Ultrafast Pulses 150 fs  
Wavelength 780 nm  
Repetition Rate 50 MHz  
Beam Quality TEM<sub>00</sub>, M<sup>2</sup> 1.1*



High Power Mendocino Head (with microscope objective lens)

**Our latest member of the Cazadero (FLCPA-03U) high pulse energy, femtosecond fiber laser product family will also be on display. For all your athermal, precision materials processing needs...from stents to corneas....we have increased the pulse energy to 20 μJ!!**

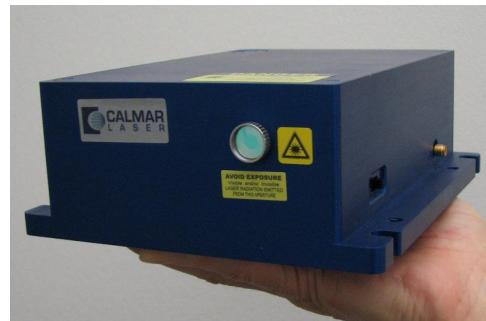
*Wavelength 1030 nm  
Pulse Width < 600 fs  
Pulse Energy up to 20 μJ  
Beam Quality TEM<sub>00</sub>, M<sup>2</sup> 1.1  
Repetition Rate up to 200 KHz*



## Cazadero high pulse energy fiber laser

**Don't forget the Mendocino OEM seed 780 nm femtosecond fiber laser (FPL-M2UFF0), the reliable, preferred choice for seeding high energy Ti:sapphire amplifiers!!**

***Wavelength 780 nm  
Pulse Width < 100 fs  
Average power > 10 mW  
Beam Quality TEM<sub>00</sub>, M<sup>2</sup> 1.1  
Repetition Rate 30 MHz  
Integrated Control Electronics***



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 applications, biomedicine, micromachining, and military. 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, visit the Company's Web site at <http://www.calmarlaser.com/> for product updates.

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