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..... Enabling an Ultrafast World



Visit us at Booth #1734, May 18 ~ 20 , 2010 in San Jose, California.

Cazadero Fiber Laser Chirped Pulse Amplifier ([FLCPA](#))

Product Features and Benefits

- All fiber-based amplifier for hands-free operation
- SESAM oscillator for long term stability and consistent operation
- High energy pulses (> 10 μ J) at 1030 nm for surgical and micromachining applications
- Pulse width < 600 fs
- Gaussian beam profile ($M^2 < 1.2$) for optimum focused spot
- Excellent pulse-to-pulse stability for well-defined process control
- Low pedestal pulse shape for optimum peak power
- User friendly turn-on procedure for ease of operation
- Air-cooled design for ease of installation and integration



Product Applications

- Precision surgery;
- Micromachining
- Nanomaterials processing
- Biomedical imaging
- Nonlinear optical studies
- Ultrafast laser spectroscopy

Mendocino 780nm Femtosecond Fiber Laser ([FPL-03RFF0](#))

Product features and benefits



- SESAM mode-locking for long term stability and consistent operation
- > 50 mW at 780 nm
- Near transform-limited 100 fs pulsewidths for optimum peak power
- Gaussian beam profile ($M^2 < 1.1$) for high spatial resolution
- Turnkey system for instant turn-on performance
- Exceptional pulse-to-pulse stability for optimum signal-to-noise
- Low pedestal pulse shape
- Ruggedized design for reliable scientific and OEM operation
- Air-cooled design for ease of use



Product applications

- Biophotonics
- Nanolithography
- Multiphoton microscopy
- Optical metrology
- Terahertz radiation studies
- Seeding Ti:sapphire amplifiers

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 leading supplier and reliable OEM partner to customers for advanced high-speed test and measurement applications, optical communications, component characterization, material diagnosis, transmission, biomedicine and micromachining. Today, Calmar is an industrial leader in supplying robust, compact, ultrafast fiber lasers designed for simple hands-off reliable operation.

For more information, please contact

Dr. Peter Hu, Director of Sales and Marketing
Email: peter.h@calmarlaser.com
Tel: (408) 733-7800
Fax: (408) 733-3800

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