

---

## Calmar Laser, Inc. Introduces High Power Mendocino Femtosecond Fiber Laser System

**Sunnyvale, CA, July 3, 2010**---Calmar Laser Inc., a leading developer and manufacturer of ultrafast fiber lasers, has improved the output power of its highly successful Mendocino family of femtosecond fiber lasers up to 4 W.

The model FPL-05U offers >4 W at 1060 nm and FPL-05C > 1W of optical power with a pulse repetition rate of 30 MHz and a typical pulse width of 200 fs. It provides exceptional pulse-to-pulse stability, a minimal pedestal pulse shape, and an output beam with roundness better than 90% and  $M^2 < 1.2$ . The laser does not require any chiller and is air-cooled.

Comparing with solid state femtosecond pulsed lasers, the Mendocino fiber laser is built with all fiber component from the seed to amplifiers. It only requires minimal alignment on the pulse compressor. The maintenance and operation cost is significantly lower and the reliability and stability is much higher.

The addition of high power Mendocino femtosecond fiber laser to its popular seed lasers, Calmar provides end users more versatile tools in research and industrial applications such as nonlinear material characterization, terahertz radiation, micromachining, metrology, free space communication, biomedical imaging and so on.

### **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, optical communications, component characterization, material diagnosis, transmission, biomedicine and micromachining. 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.

### **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