January 2026

Greetings, and best wishes for a healthy and successful 2026!

As we begin a new year, the pace of technological innovation continues to accelerate—driven by insatiable demand across advanced manufacturing, data communications, life sciences, and emerging quantum applications. At the same time, global business environments are showing encouraging signs of stabilization, creating renewed opportunities for collaboration and long-term growth.

SPIE Photonics West 2026 is an ideal moment to reconnect, reflect, and explore how practical innovation and close partnerships can help transform today's opportunities into tomorrow's successes. We look forward to engaging with customers, partners, and suppliers to discuss how we can move forward together with confidence and purpose.

Visit us at the Moscone Center

- Booth #8330 – BiOS (January 17–18)
- Booth #3330 – Photonics West (January 20–22)

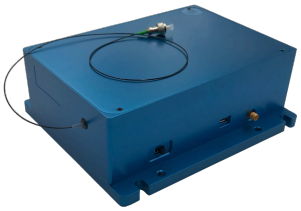
We welcome the opportunity to meet and start the year together.

Mendocino™ Low-Jitter Lasers

Precision Sources for Data Center & Telecom Testing

Engineered for the most demanding transceiver and optical component testing, the Mendocino (FPL-0) series delivers industry-leading performance with sub-picosecond pulse widths and timing jitter as low as 0.25 ps. Delivering wavelengths of 780 nm, 850 nm, 1310 nm, and 1550 nm, Mendocino ensures broad compatibility across data center and telecom applications. High-repetition-rate synchronization signals provide ultra-low-jitter triggering for precise measurements—making Mendocino an ideal testing solution for next-generation high-speed data center build-up.

Mendocino OEM Seed Laser Modules



Designed for long lifetime and system integration, Mendocino OEM modules combine passively mode-locked femtosecond technology with a proprietary saturable absorber for exceptional stability. Available with select wavelengths from 780 to 1565 nm, with pulse widths from 100 fs to 15 ps and output powers from 0.5 mW to 200 mW and beyond, these compact, fiber-coupled modules include onboard microcontroller support for ease of use and extended reliability. Ideal for telecom, metrology, and advanced photonics systems, Mendocino OEM sets the standard for precision and robustness.

Eureka

PSL-1-TT for Quantum & Advanced Testing

Experience unmatched versatility with Eureka™ Actively Mode-Locked Picosecond Fiber Lasers, engineered for the most demanding telecom and test & measurement applications. With tunable wavelengths from 1530 to 1565 nm, adjustable pulse widths from 0.8 to 10 ps. Eureka covers repetition rates from 0.1 to 45 GHz.

Designed for reliability and ease of use, these desktop systems provide exceptional performance for impulse response characterization, optical network testing, quantum research, and high-speed metrology. With average output power exceeding 20 mW and proven long-term stability, the PSL-1-TT (0.1 – 5 GHz) model is particularly well-suited for quantum computing applications.

Carmel™ X Series

Higher Power, New Wavelengths

Introducing the enhanced Carmel X Series—now more powerful and versatile than ever.

- Up to 1.5 W output at 780 nm
- New 515 nm wavelength option
- New AOM options, including pre-chirp compensation

These enhancements expand the capabilities of the Carmel X platform for multiphoton microscopy, biophotonics imaging, and advanced industrial applications. Built on our patented fiber-based architecture with an air-cooled, compact design, Carmel X continues to set the standard for reliability, ease of integration, and ultrafast performance.

A new year is the perfect time to reconnect with long-time partners and meet innovative startups driving the next wave of photonics technology. This newsletter highlights just a sampling of our latest product introductions—please stop by our booth to learn more.

Most importantly, we'd love to hear about your unique application requirements and explore how we can support you with a customized ultrafast fiber laser solution.

We look forward to seeing you at Photonics West 2026.

Warm regards,

Tony Lin, PhD

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About Calmar Laser

Calmar Laser is an ISO 9001:2015 manufacturer of innovative ultrafast fiber laser and fiber amplifier solutions for the needs of industry, research institutions and universities. 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, 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 www.calmarlaser.com for product updates.

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