November 2025

Dear Valued Customer,

As the Thanksgiving season arrives, all of us at **Calmar Laser** want to take a moment to express our sincere gratitude for your continued partnership and trust. Your support inspires us to keep advancing the frontiers of ultrafast laser technology and to deliver solutions that empower your innovations.

This season of thanks also marks a time of exciting progress — we're proud to share some of our latest developments designed to meet the evolving needs of **3D microprinting, quantum computing, and data center testing** applications.

Carmel X-Series: Now Up to 1.5 W at 780 nm

The **Carmel (CFL-15RFF)** series now delivers **1.5 W of average output power** with **<90 fs pulse width**, all within a **compact laser head**. This represents a significant upgrade from the previous 1 W model — the **highest output power available at 780 nm** in its class.

The **X-Series** combines **high power and a small footprint** in a fully air-cooled system, featuring a **2U rackmount controller** connected via a **durable armored cable** to an ultra-compact laser head. Ideal for **3D microprinting**, this system sets a new benchmark in performance, stability, and usability.

Eureka PSL-1 Series: Tunable Picosecond Laser for Quantum and Telecom Applications

The **Eureka (PSL-1-TT)** benchtop laser provides a **picosecond pulse optical source** ideal for **telecommunications test systems** and **quantum computing experiments**.

With **front-panel control knobs** for easy adjustment of **output power, wavelength, pulse width, and repetition rate (0.1–4 GHz)**, the PSL-1 offers intuitive operation and flexibility. Multiple synchronization outputs (RF and optical) support system integration.

Operating in the **C-band**, the Eureka delivers a **stable, actively mode-locked fiber output** with **turnkey operation**, **pulse width tunability**, and **up to 20 mW output power**. This makes it a reliable and versatile optical clock source for demanding laboratory and production environments.

Mendocino 1310: Precision Source for Data Center Testing

Designed specifically for **1310 nm transceiver testing**, the **Mendocino (FPL-0)** series provides **ultrashort femtosecond pulses** with **<0.3 ps pulse width** and **timing jitter <0.25 ps**.

Featuring **Calmar's proprietary saturable absorber technology**, perfected over two decades, the Mendocino offers **reproducible mode-locking at turn-on** and **exceptional stability**. With its **compact benchtop design**, adjustable controls, and **fiber-pigtailed 1310 nm output**, this laser is an outstanding fit for **data center and optical component testing**

These highlights represent just a **sample of Calmar's newest ultrafast laser innovations**.
We invite you to **visit us** **to learn more** and to **share your specific application needs** — our team would be delighted to explore how we can **develop an ultrafast fiber laser solution** for your next breakthrough.

Sincerely,

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.