Greetings!

As you prepare to join us at ECOC 2019 (22nd-26th September, Dublin, Ireland) to learn more about the latest advances in optical communications for supporting the exponential growth of internet data traffic, we wanted to share Calmar's latest innovations in femtosecond fiber lasers for the test and measurement sector.

To address the challenges of testing high-speed components required for hyper-scale 400+ Gb/s fiber networks and the upcoming 5G mobile access, **we have introduced a new range of Mendocino desktop short-pulse optical sources with low timing jitter to complement the tried and tested Eureka platform.**

- **New wavelengths beyond traditional C-band (1550 nm)**
  - **1310 nm (O-band)**
  - **850 nm**
  - **780 nm**
  - **Dual 780/1550 nm or 850/1550 nm output**
- **Pulse widths < 0.5 to < 2.0 ps**
- **Wider range of repetition rates**
  - **10 MHz, 20 MHz, 50 MHz, and 100 MHz**
- **Low-jitter scope trigger signals**
  - **< 2 ps at fundamental frequency**
  - **High harmonic 1 GHz (for ≥ 20 MHz) < 0.5 ps**
  - **High harmonic 10 GHz (for ≥ 50 MHz) < 0.2 ps**
- **Phase-locked loop option**
- **All available with fiber-coupled output**

1310 nm, 200 fs, 27 MHz, Mendocino

For transient current injection in testing integrated circuits, a new line of fiber-delivered femtosecond lasers, **Carmel F-series**, has been also developed. With over 100 mW of output power, this source has the ability to deliver high peak power optical pulses directly to test components.

Carmel F-1350

For the latest in laser sources for Terahertz generation, we now offer both desktop and OEM module versions of the Mendocino family. With 780 nm and 1550 nm wavelength options, pulse widths as short as 90 fs, output powers up to 100 mW, and power consumption as low as 5 W, these are the perfect compact sources for test facilities or integration into OEM systems.

780 nm Mendocino

Please stop by the Apex Technologies (Booth #213) to learn more details, share your application requirements and discuss our customized solutions.

Regards,

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About Calmar Laser

Calmar Laser is a US-based, ISO 9001:2008 developer and manufacturer of innovative ultrafast fiber laser and fiber amplifier solutions for OEM, B2B industrial, medical and scientific applications. Since 1996, Calmar has served universities and research institutions with leading-edge ultrafast fiber laser platforms. Our compact, robust designs have also enabled long term partnerships with customers in the fields of advanced high-speed test and measurement, optical communications, biomedicine, component characterization, semiconductor metrology, ophthalmology, and micromachining. Today, Calmar continues the tradition of technology leadership with its unique range of ultrafast fiber laser platforms designed for simple, hands-off, reliable operation.
For more information about Calmar Laser and product information, visit the Company's Web site at http://www.calmarlaser.com.