



MEDIA ADVISORY

June 14, 2017

Excelitas Technologies to Highlight New Photonics Solutions at Laser World of Photonics

WHO: [Excelitas Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, will showcase several new high-performance optoelectronics products at [Laser World of Photonics](#) in Munich, Germany.

WHAT: Products on display at Excelitas' exhibit (Booth B1 #103) include:

- **New Closed-Loop Modulation (CLM) for the [iFLEX-iRIS™](#) and [iFLEX-Gemini™](#) Laser Systems:** The innovative CLM feature allows Continuous-Wave (CW), as well as analog, digital and dual-mode modulation capabilities with ultra-low periodic noise and high power stability performance over the laser lifetime. Unlike traditional open loop laser modulation, there is no need for recalibration when using iFLEX Lasers with CLM. It is ideally suited for biomedical imaging and metrology applications where repeatable performance and low signal-to-noise ratio are required.
- **[1X4 Pulsed Laser Diode Array:](#)** Excelitas' new laser array for LiDAR applications combines field-proven high-efficiency, multi-cavity laser chip technology with small form-factor surface mount device (SMD) packaging for applications requiring high reliability such as autonomous vehicles and drones. Its 1X4 linear configuration minimizes space requirements in the assembly to enable smaller, less costly optical components. The new array is fully compatible with SMD pick-and-place and reflow soldering equipment, allowing it to seamlessly integrate into high-volume, low-cost assembly lines.
- **[μPAX-2 Pulsed Xenon Light Source:](#)** Combining an innovative lamp design with state-of-the-art circuitry and components, the new 2-Watt μPAX-2 pulsed Xenon light source provides microsecond-duration pulses of broadband light with exceptional arc stability. Applications for μPAX-2 include UV/Vis spectrophotometry, point-of-care analytics, environmental and absorption analysis, fluorescence triggering, immunoassays and microplate readers.
- **[UV LINOS 70mm F-Theta-Ronar Lenses for 340-360nm:](#)** The latest addition to the popular LINOS product line, the UV LINOS F-Theta-Ronar Lenses feature a bigger scan field (28x28mm²) with 5μm spot size, ideal for micromachining in the semiconductor, electronic and display markets for ultraviolet-pulsed laser applications. The telecentric lenses feature special optical design and advanced technology for minimized spot size variation; fused silica to deliver high transmission and reduced thermal focus shift; and angle-optimized broad band coating to enable the use of various laser sources with different wavelengths and low absorption. Their 5μm spot size capability is ideal for microstructures, holes and processes.
- **[iFLEX-Agile CW Optical Parametric Oscillator \(OPO\):](#)** The high-power, Continuous-Wave OPO features optimized optics for a full wavelength range with powers on the Watts-level and rapid tunability to enable seamless



operation. This instrument's high-precision optics ensure excellent focusing and consistent beam emission for superior accuracy in mass spectrometry, material testing, spectroscopy and metrology applications.

WHEN: June 26 - 29, 2017

WHERE: [München, ICM - Internationales Congress Center](#), Munich, Germany. Excelitas Exhibit: Booth B1 #103.

For more information about Excelitas products, visit www.excelitas.com.

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About Excelitas Technologies

Excelitas Technologies Corp. is a global technology leader focused on delivering innovative, high-performance, market-driven photonic solutions to meet the lighting, detection and optical technology needs of global customers. From biomedical technology to research laboratory, safety and security, consumer products, semiconductor, energy and environment, industrial sensing & imaging, defense and aerospace, Excelitas Technologies is committed to enabling our customers' success in their end-markets. Excelitas Technologies has approximately 5,500 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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