



MEDIA ADVISORY

March 13, 2018

**Excelitas Technologies to Showcase New Laser Solutions  
at LASER World of PHOTONICS CHINA**

**WHO:** [Excelitas Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, will highlight several new high-performance laser technologies at [LASER World of PHOTONICS CHINA](#).

**WHAT:** Products on display at Excelitas' Booth W4.4702 include:

- [Medium-Power XP-Series Faraday Isolators](#): XP-Series Medium-Power Faraday Isolators combine typical maximum optical isolation of 30dB with the lowest impact on beam properties. The series' innovative design is based on a new high-end, low-absorption magneto-optical material that ensures superior optical isolation and very stable laser beam properties. Its compact design allows easy integration into laser systems or optical setups for material processing applications such as marking, cutting and welding.
- [Rotatable \(RO\) Faraday Isolators](#): Designed to protect lasers and laser oscillators from back reflection, Rotatable Faraday Isolators help ensure stable operation and prevent optical damage. Ideal for industrial, medical and scientific applications, the new Faraday isolator combines compact design, high optical isolation (typically 38dB over the entire wavelength range) and easy adjustment according to the linear polarization orientation of the laser.
- [High Power Unpolarized Faraday Isolator](#): Qioptiq developed the new High Power Unpolarized Faraday Isolator FI-HP-UP for unpolarized light. It is capable of isolation levels of more than 30 dB at 600 W average laser power. The FI-1064-8HP-UP is also available as a fiber coupled version.
- [Surface Mount 905 nm Pulsed Semiconductor Laser Array](#): Featuring an ultra-compact, surface mount-compatible design, these pulsed semiconductor lasers offer high beam placement accuracy. They can emit light perpendicular or parallel to the mounting plane to meet demands for high-volume, cost-effective lasers for LIDAR and other commercial range finding applications.
- [C30737MH Series Surface-Mount Silicon Avalanche Photodiode \(APD\)](#): Ideal for high-volume, high-performance, cost-sensitive product designs that require maximum range at consumer price points, the Surface Mount "Top Looking" APD features a robust, compact package in standard or custom configurations. Available in 230µm and 500µm active area sizes, C30737MH APDs offer high responsivity from 500nm to 1000nm, extremely fast rise times and cut-off frequency >1 GHz for precision laser applications.
- [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:** March 14 – 16, 2018

**WHERE:** Shanghai New International Expo Centre, Shanghai, China. Booth W4.4702.

For more information about Excelitas products, visit [www.excelitas.com](http://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 acquired Qioptiq in 2013 and now has approximately 6,000 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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