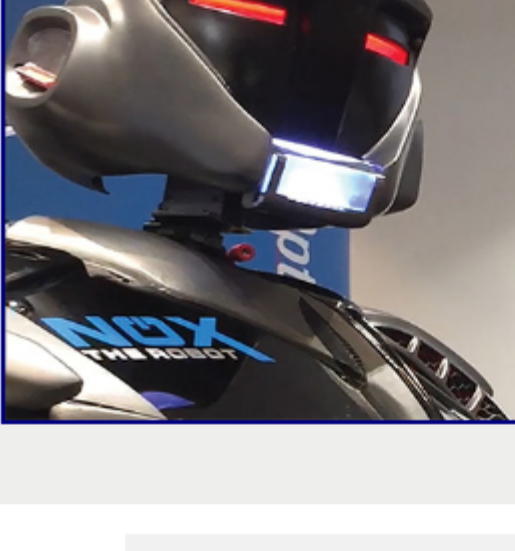




Photonics West 2019 – San Francisco, CA

February 2-7, 2019

An advanced look at the products, trends and technologies being presented.



Nonstop Photonics: Photonics West Energizes with Education, Events, Awards

With over 5000 presentations, more than 1300 exhibitors, 70 courses, three separate conferences, a two-day AR|VR|MR immersive, Prism Awards, a Startup Challenge, and a generous list of other special events, SPIE's Photonics West will again be the most comprehensive and well-attended annual global event for the photonics and laser industries.

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Featured Exhibitors

Robot-Assisted Lens Alignment
From: **TRIOPTICS GmbH**

For many years, TRIOPTICS has automated operations in the production of lens systems concerning measurement and alignment with the well-established OptiCentric® 100. Now, this system can be expanded to include automated loading and unloading by means of robots. This allows the fabrication of complete batches independent of the operator and increases the efficiency of the machine as well as process reliability. For a demonstration at Photonics West visit booth #1459!

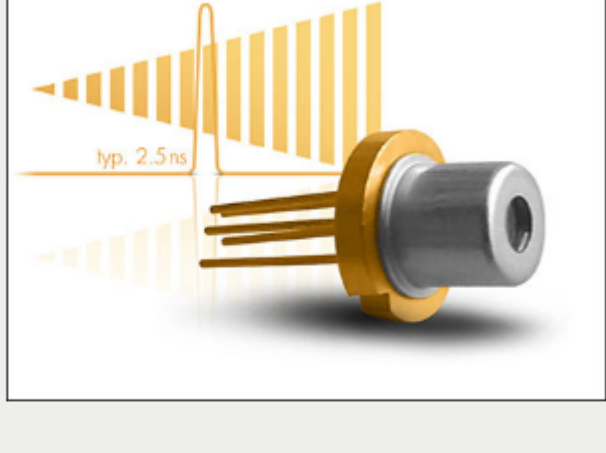


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Fastest Hybrid Pulsed Laser Diode
From: **Laser Components USA Inc.**

Developed for LIDAR applications, QuickSwitch PLD is a unique 905 nm laser diode that produces ultra-short 1.5 to 5 ns pulse duration, and up to 89 watts in a T056-package. The high peak power laser with short pulse width and high-frequency enables enhanced resolution with faster data gathering and a higher density point cloud.




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OCT Components
From: **OZ Optics Limited**

OZ Optics is introducing a new line of fiber optic components for OCT applications: high-speed polarization controller/scrambler, 330ps electrically/manual controlled optical delay line, collimators/focusers, electrical controlled variable attenuators, faraday rotators/mirrors, isolators, fiber pigtailed ultra stable laser module, fused coupler, polarizers, reflectors, directional fiber optic power monitors (taps/photodiodes), miniature inline polarization maintaining splitters/taps/combiners, polarization maintaining fused fiber couplers/splitters, optical circulator, voltage controlled tunable filter, and inline Fabry-Perot tunable filters.




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HyperFine Spectrometer
From: **LightMachinery Inc.**

The Hornet spectrometer is designed for characterizing laser spectra. It is a compact spectrometer capable of better than 30 picometer resolution. The resolution of large gratings spectrometers at a fraction of their cost and size while covering a larger wavelength range.

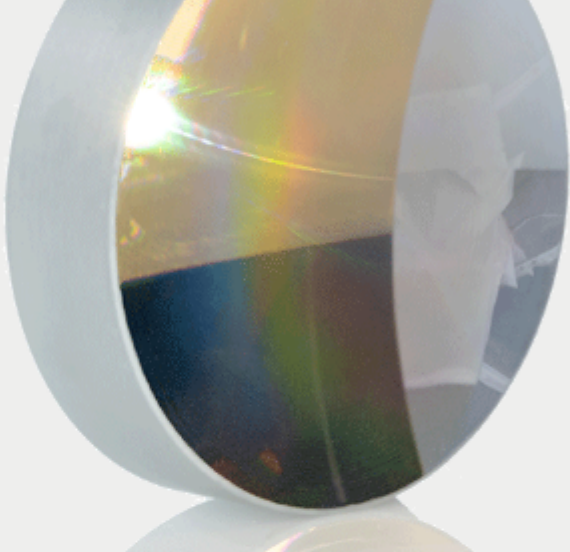


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UV Blazed Holographic Concave Gratings
From: **Spectrum Scientific Inc., SSI Optics**

Spectrum Scientific (SSI) uses a proprietary optical blazing technique resulting in very high peak efficiency and significantly lower stray light in the UV compared to ion etched gratings, making our concave gratings ideal for use with array detectors for analytical and life science instrumentation. Our concave gratings can be supplied from stock or our design and manufacturing service allows us to supply bespoke gratings to meet our customers' OEM requirements.




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New DLC TOPO
From: **TOPTICA Photonics Inc.**

The DLC TOPO builds on years of proven TOPTICA technology to deliver wide tunability, narrow linewidth, and convenient hands-free digital control over the 1.45 - 4.00µm spectral range. A wide mode-hop-free tuning range up to 300 GHz enables visibility of full spectroscopic signatures, while a 2MHz linewidth reveals narrow atomic and molecular features. Ease of use and high power make this CW OPO the right choice for challenging applications in IR spectroscopy and quantum optics.




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pco.edge 4.2 bi & pco.panda 4.2 bi
From: **PCO-TECH Inc.**

PCO's 16 bit back illuminated sCMOS cameras stand out with nearly perfect quantum efficiency up to 95%. High resolutions with 6.5µm² pixel size allow highly qualitative images. The pco.edge 4.2 bi's adjustable cooling system enables the use of air or water to cool the sensor down to -25°C. The pco.panda 4.2 bi comes in an ultra-compact design. It's perfectly suited for low light conditions without the need for active cooling.




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Lens & Camera Modules
From: **Navitar Inc.**

Pair a Navitar Resolv4K, 12X Zoom or Zoom 6000 high-magnification imaging lens system with a Pixelink CMOS camera for excellent imaging quality and outstanding value. Application features and functionality include:

- Integrated lens controls for zoom and focus to pair with Navitar motorized products
- Auto-focus options that integrate with Navitar motorized fine focus mechanisms
- Metrology tools for on-screen measurement of length, area, pixel location, and more.

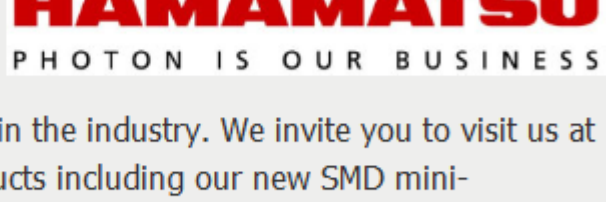


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Visit Hamamatsu at Photonics West
From: **Hamamatsu Corporation**

At Photonics West 2019 in San Francisco, Hamamatsu is hosting a selection of insightful talks and exhibitions discussing our latest products and advancements in the industry. We invite you to visit us at booth #941 in the exhibition hall where we will offer demos of our latest products including our new SMD mini-spectrometers, new ORCA-Fusion camera, and various products for LIDAR applications. We look forward to seeing you this February!

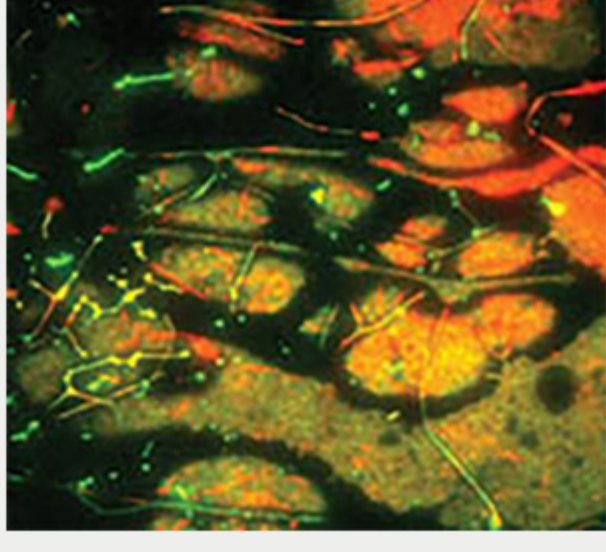


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The Right Solution, Right Now
From: **IDEX Health & Science - Semrock Optical Filters**

Semrock's proven results give you access to high-level engineering know-how that helps make every standard catalog, or design each component to your unique requirements, Semrock leads the thin film industry for performance, service and support, reliability and repeatability. From rapid prototyping to high-volume production, entrust your filters to Semrock for life science, analytical instrumentation, and medical diagnostics applications.



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BIOS: Sunday, February 3rd at 3:00 PM
Photonics West: Wednesday, February 6th at 3:00 PM

And as always, you can visit us online at www.photonics.com