

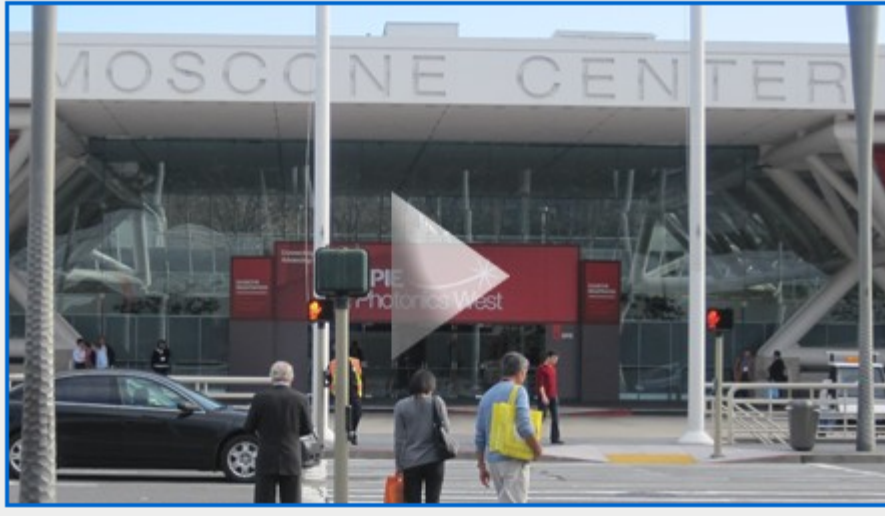
sneak PREVIEW



SPIE PHOTONICS WEST – San Francisco, CA

February 16-18

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



trip to San Francisco.

Photonics West 2016... Just around the corner!

Photonics West 2016 will be here before we know it! This annual event brings together industry players from around the world, and presents a week of learning, cool new products, new technologies, and fellowship. The event last year saw over 21,000 attendees... and 2016 looks to be just as big!

In this issue of Sneak Preview — Photonics West Edition #3 — Photonics Media Senior Editor Justine Murphy takes a closer look at this massive international event, as the industry prepares for the

[Watch Now](#)

sponsor

Featured Exhibitors

[Hi-QE Photocathodes for Photon Counting](#)

From: **PHOTONIS USA, INC.**

PHOTONIS' HI-QE photocathode technology provides a unique combination of extremely low dark counts, fast response time, and a high quantum efficiency. HI-QE photocathodes lower dark counts 10X, while boosting QE 50% over traditional S20 photocathode technologies.

HI-QE photocathodes are available in a variety of spectral detection ranges to fulfill specific requirements. They can be ordered in MCP-PMTs, Hybrid Photo Diodes, or Image Intensifiers, or integrated into an Imaging Photon Camera.

Visit us: Booth 5229

[Request Info](#)

[Visit Website](#)



[Know What You're Looking For?](#)

From: **DILAS DIODE LASER, INC.**

New products launched by DILAS:

- High brightness, single-emitter based, fiber-coupled pump module at 793nm with an output power of 9W suitable for pumping thulium-doped fiber lasers for eye-safe applications.
- Single-emitter based fiber-coupled pump modules at 976nm, 50W and 90W developed for Ytterbium fiber laser pumping applications.
- Fiber-coupled, multi-single emitter module offered in two visible wavelengths (405nm and 450nm) with output powers up to 3W for a variety of cinema, medical and solid-state pumping applications.



Visit us: Booth 4765

[Request Info](#)

[Visit Website](#)

[TOPTICA Offers Frequency Combs](#)

From: **TOPTICA PHOTONICS, INC.**

The CORE unit of TOPTICA's Difference Frequency Comb (DFC) consists of a low noise mode-locked oscillator, a fiber-optic amplifier, a nonlinear fiber for supercontinuum generation, a CERO unit for difference frequency generation (DFG) and a fiber-optic pre-amplifier. The DFC-CORE provides 4 or 8 vCEO-stabilized outputs at 1560 nm, which can seed a user-defined extension (EXT-). It comes with integrated radio frequency reference and dedicated freq locking electronics.



Visit us: Booth 1023

[Request Info](#)

[Visit Website](#)

[High-Speed WDM Wavelength Meter](#)

From: **BRISTOL INSTRUMENTS**

The model 828B measures the wavelength of CW and modulated WDM lasers at a rate of 1 kHz. This exceptional speed improves the efficiency of testing during the manufacturing process and provides a time resolution of 1 ms to enable the most detailed wavelength characterization of tunable lasers. Wavelength is measured to an accuracy of ± 1 pm, guaranteed by automatic calibration with a built-in wavelength standard.



Visit us: Booth 627

[Request Info](#)

[Visit Website](#)

[New pco.edge 4.2 Meets CLHS](#)

From: **PCO-TECH Inc.**

Camera combines an advanced generation sCMOS sensor (2048 X 2048 pixels) with Camera Link HS (CLHS) interface. The pco.edge 4.2 provides a peak quantum efficiency (QE) of up to 82%. The Camera Link HS high-speed data interface is dedicated for imaging applications and based on standard network hardware. Specs: 100fps, 37,500:1 dynamic range, 0.8e- med readout noise, small form factor.



Visit us: Booth 1017

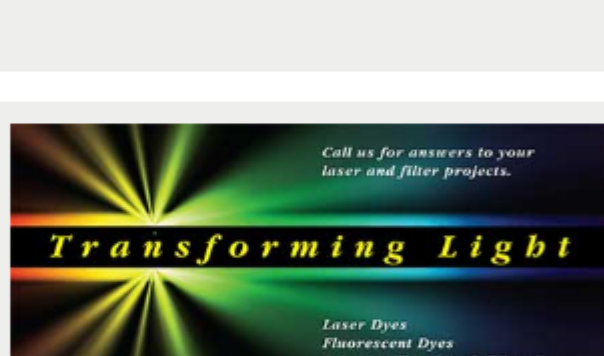
[Request Info](#)

[Visit Website](#)

[Transforming Light](#)

From: **EXCITON, INC.**

- Laser Dyes
- Fluorescent Dyes
- Selective Wavelength Filter Dyes
- Infrared Dyes



Visit us: 4654

[Request Info](#)

[Visit Website](#)

[The Exemplar Plus LS Spectrometer](#)

From: **B&W TEK, INC.**

The Exemplar[®] Plus LS is a high performance smart spectrometer utilizing an aberration corrected concave holographic grating to effectively eliminate stray light. It features a highly sensitive TE Cooled back-thinned (BT) CCD detector which is linearly summed for high dynamic range. Its long focal length, coupled with a high quantum efficiency detector, provides superior data quality over the entire 180-1100nm spectral range.



Visit us: Booth 2529

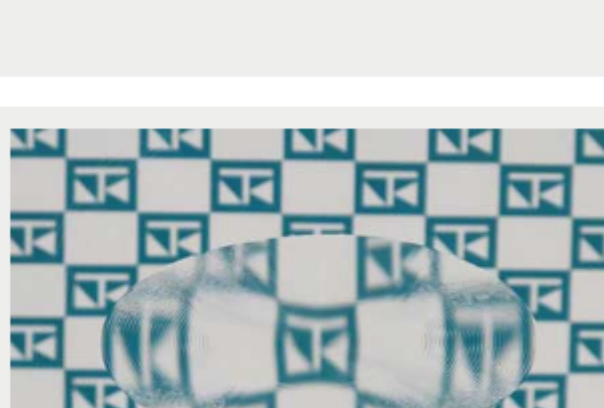
[Request Info](#)

[Visit Website](#)

[NTKJ's Precision Fresnel Lens and Micro Optics](#)

From: **RHK JAPAN, INC.**

NTKJ, the Japanese-based sheet lens manufacturer, is specializing in ultra-precision machining, ultra-precision heat compression molding and extra large sized lens manufacturing.



NTKJ provides made-to-order plastic lens manufacturing service as well as selling off-the-shelf fresnel, lenticular lenses and micro lens arrays for LED illumination, analytical instrument and imaging application. Recently developed elliptical fresnel lens can be used to make freeform lenses thinner and lighter.

Please come and see us at booth # 4935 for more details and technical discussion.

Visit us: Booth 4935

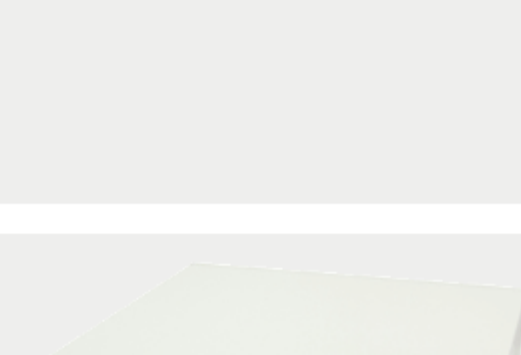
[Request Info](#)

[Visit Website](#)

[XPS-RL Universal High-Performance Motion Controller/Driver](#)

From: **NEWPORT CORPORATION**

The user friendly, 4-axis, XPS-RL universal motion controller drives a variety of motor types and executes complex motion through a high speed Ethernet TCP/IP interface. From its outstanding servo rate and triggering, to its intuitive GUI and Plug-and-Play ESP technology, the economically priced XPS-RL is an excellent choice for both research and OEM applications.



Visit us: Booth 1400

[Request Info](#)

[Visit Website](#)

PHOTONICS MEDIA



STOP BY OUR BOOTHS

BIOS Expo, Booth 8515, February 13-14, Moscone West
Photonics West, Booth 904-905, February 16-18, Moscone South

Visit **Photonics Media** on the exhibit floor to:

- Pick up the latest issues of *Photonics Spectra*, *BioPhotonics*, *EuroPhotonics* or *Industrial Photonics* magazines
- Start or renew your FREE subscriptions
- Enter our drawing for a \$100 Amazon gift card
- Take a look back at the highlights of the last 20 years of www.photonics.com
- Have your photo taken on the cover of our last favorite Photonics Media magazine

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