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**LASER** World of **PHOTONICS CHINA**

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Shanghai New International Expo Center

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# Sneak Preview

Photonics West, San Francisco, Calif.  
February 7-12, 2015

**PHOTONICS** MEDIA

THE PULSE OF THE INDUSTRY



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## Versatile SWIR T2SL Camera up to 2.35 $\mu\text{m}$

Hyperspectral imaging or laser beam analysis with extended SWIR is of special interest. The new **Xeva-2.35 SWIR camera** operates from 1.0 to 2.35  $\mu\text{m}$  with a 4-stage TE Cooler at 350Hz full frame.

**Xenics**

See us at booth 834

[www.xenics.com](http://www.xenics.com)

## SPI Lasers Innovate Fiber Laser Technology

The latest generation of SPI Lasers' redENERGY G4 RM-Z pulsed Fiber Laser models now feature **2 PulseTune waveforms**, offering the user enhanced control and the ability to tailor pulses, therefore improving productivity, flexibility and quality.



**SPI Lasers UK Ltd.**

See us at booth 5006

[www.spilasers.com](http://www.spilasers.com)



## Powerful Femtosecond Laser JenLas<sup>®</sup> femto 10

Based on reliable, diode-pumped disk laser technology the **JenLas<sup>®</sup> femto 10** provides perfect beam quality, a power of 10 watts and pulse energies of up to 50 microjoules. Due to the high processing speeds, the femtosecond laser of Jenoptik enables a significant increase in productivity.

**JENOPTIK Laser GmbH**

See us at booth 1423

[www.jenoptik.com/lm](http://www.jenoptik.com/lm)

## New Laser Wavelength Meter

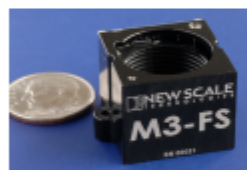
An updated model 621 measures **laser wavelength** to an accuracy as high as  $\pm 0.0001$  nm, and guaranteed by continuously calibrating with a built-in wavelength standard. Operation is available from 375 nm to 12  $\mu\text{m}$ . New features include greater sensitivity and a more convenient user interface.



**Bristol Instruments**

See us at booth 606

[www.bristol-inst.com](http://www.bristol-inst.com)



## Precision Micro Focus Module

Adding focus to your miniature instrument has never been this easy! The **M3-FS Focus Module** with built-in controller communicates directly with your system processor over SPI or I2C. Move M16 lenses with 0.5  $\mu\text{m}$  resolution and amazing dynamic stability.

**New Scale Technologies**

See us at booth 630

[www.newscaletech.com](http://www.newscaletech.com)

## Custom Flat Optics Fabrication

Sydor Optics is a custom manufacturer of precision flat-surfaced, parallel and wedged optical components. **Custom optics** include glass wafers, beamsplitters, debris shields, filters, optical flats, lightpipes, mirrors, wedges, windows and witness samples. Prototype to high volume capabilities are available.



**Sydor Optics**

See us at booth 600

[www.sydor.com](http://www.sydor.com)



## CleanTop<sup>®</sup> Honeycomb Optical Top

TMC's industry-standard **CleanTop<sup>®</sup> Optical Top** provides the highest core-density and smallest honeycomb cell area in an all-steel construction. Available in standard and custom sizes and three performance levels. Specialty materials, including non-magnetic, cleanroom- and vacuum-compatible tops are also available.

**TMC Ametek**

See us at booth 2123

[www.techmfg.com](http://www.techmfg.com)

## High Power Laser Diode Controller

New High Power **Laser Diode Controller** designed specifically for high power single emitter laser diodes. The LDC-37620 is a precision 10A/20A dual range laser diode driver and high stability 128W TEC controller. Also includes multiple levels of laser diode protection and GPIB/USB remote interface.



**ILX Lightwave  
a Newport Company**

See us at booth 1401

[www.newport.com/ilxlightwave](http://www.newport.com/ilxlightwave)

## 2015 Photonics West

SPIE Photonics West is touted as the #1 international laser, photonics and biomedical conference and trade show. Held annually, several topic-specific sessions are presented, in addition to exhibitions, courses, a job fair, and special events in technology, industry, networking and others.



A projected 20,000 attendees will see nearly 1,250 exhibiting companies and 4,700 papers on biomedical optics, biophotonics, translational research, industrial lasers, optoelectronics, microfabrication, 3-D printing, MOEMS-MEMS, optical communications, displays and more.

Sessions to be held include BiOS 2015 (Biophotonics and Biomedical Optics), which offers the latest on biomedical optics, diagnostics and therapeutics, biophotonics, new imaging modalities, optical coherence tomography, neurophotonics, optogenetics and tissue optics. LASE 2015 (Laser Technology and Industrial Laser) features the latest laser manufacturing, laser materials processing, micro-nano packaging, fiber, diode and solid state lasers, laser resonators, ultrafast and semiconductor lasers and LEDs, and 3-D fabrication technologies.

The OPTO 2015 (Optoelectronics and Photonics) session demonstrates the latest on silicon photonics, photonic crystals, optoelectronics, semiconductor lasers, quantum dots and nanophotonics research. This also addresses the latest developments in a broad range of optoelectronic technologies and their integration for a variety of commercial applications. Green Photonics 2015 highlights papers from OPTO and LASE that showcase the latest photonics and optoelectronic tools and materials that will reduce power consumption, enable cleaner manufacturing, and create new energy generation for a broad range of applications.

The Applications of 3-D Printing 2015 will focus on papers from BiOS, LASE and OPTO that showcase innovative ways to apply this multidimensional, multidisciplinary technology.

Exhibitions to be held are the BiOS Expo (February 7-8), which focuses on biomedical optics and biophotonics, and the flagship Photonics West exhibition (February 10-12), which features companies from around the world sharing the latest products, tools and applications for research and business.

The BiOS Expo showcases the latest technologies and demonstrations from more than 230 companies in the biomedical optics and photonics industries. Exhibitors include Hamamatsu Corp., Agilent Technologies Inc., Edmund Optics, Jenoptik and Thorlabs.

The Photonics West Exhibition will feature an international collection of more than 1,200 companies such as Electro-Optics Technology Inc., Powerlase Photonics, Trioptics and Hamamatsu Corp.

SPIE Photonics West is also the stage for the Prism Awards for Photonics Innovation. This is an annual competition recognizing new products and innovative inventions that solve problems and improve quality of life.

## Stop by our booth

Visit Photonics Media at booth 522-523 to pick up the latest issues of *Photonics Spectra*, *BioPhotonics*, *EuroPhotonics* or *Industrial Photonics* magazines. While you're there, visit our photo booth and get your face on the cover of an issue of *Photonics Spectra* or enter our drawing for a \$100 Amazon gift card! As always, you can also visit us online at [www.photonics.com](http://www.photonics.com)

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