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LASER World of **PHOTONICS CHINA**

March 14-16, 2017
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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New MEMS-Based NIR Spectrum Sensor

Hamamatsu's new **MEMS-FPI spectrum sensor** features a miniature Fabry-Perot interferometer and an NIR-sensitive InGaAs PIN photodiode. The Fabry-Perot interferometer that acts as a tunable filter has been drastically reduced in size using MEMS technology. Visit booth 1413 for more info.

Hamamatsu Corporation See us at booth 1413
www.hamamatsu.com

New! LDF Cleavers from AFL

The **Fujikura CT-105 and CT-106** high precision, large diameter fiber (LDF) cleavers cleave 80 μ m to 1.25 mm diameter fibers, flat or angled, and include a programmable automatic clamp function, angle cleaving function and a blade life of 20,000 cleaves.



AFL See us at booth 4327
www.AFLglobal.com



High Power Fiber Optic Components

OZ Optics uses the latest in fiber and component manufacturing techniques to produce fiber products for high power lasers. Products with multiWatt capabilities are manufactured from both standard fibers and specialty fibers, such as double clad fibers, large mode area fibers, and photonic crystal fibers.

OZ Optics Limited See us at booth 4501
www.ozoptics.com

Patented Top Adjust Flexure Mounts

Siskiyou **Patented Top Adjust Flexure Mounts** with our next-generation design provides the combination of superior beam pointing stability and component economy that is increasingly needed in demanding OEM industrial and scientific laser-based applications.



Siskiyou Corporation See us at booth 426
www.siskiyou.com



PowerXP Compact Attenuator

The **PowerXP** is a very compact version of a motorized attenuator. This device attenuates free space laser beam (or pulse) continuously without introducing additional energy fluctuations. Contrast better than 3000:1 (Tp:Ts) is achieved, since this attenuator is mounted with high contrast polarizer.

Altechna, UAB See us at booth 5135
www.altechna.com

WinCamD-LCM USB 3.0 CMOS Beam Profiler

Visit booth 2300 to experience DataRay's compact and advanced **WinCamD-LCM USB 3.0 CMOS beam profiler**, offering update rates of up to 60 Hz, resolution up to 4.2 MP with 5.5 μ m pixels! Wavelengths 190 to 1605 nm.



DataRay Inc. See us at booth 2300
www.dataray.com



ILT5000 Research Radiometer

The **NEW ILT5000 Research Radiometer** is "The ILT1700 for the 21st Century" improving on the industry standard with rapid measurements (1-100hz), a broader dynamic range (10fA to 1mA), extensive supporting software apps, and built-in wireless, data storage, and rechargeable batteries.

International Light Technologies See us at booth 2241
www.intl-lighttech.com

IDL Industrial Linear Stages

A family of robust, **industrial-grade linear motor stages** designed for high throughput and reliability. Specifically designed for laser micro-machining applications that require high precision, down to 250 nm. Additional features include a hard top cover, flexible side bands and air purge.



Newport Corporation See us at booth 1401
www.newport.com

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

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