

showcase



July 2016

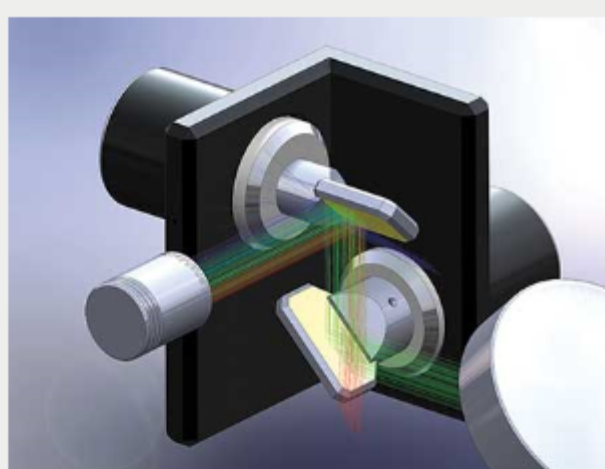
Bi-monthly product-focused newsletter with highlights from the latest issue of Photonics Showcase. Use the Request Info links below to ask for more information about these products, or visit Photonics.com/rssc.

Featured Products

Simplify Optomechanical Design

From: Zemax LLC, Optical & Illumination Design Software

Zemax introduces LensMechanix, powerful ray tracing software that revolutionizes opto-mechanical product development. Save time, save money and improve efficiency by packaging, analyzing and validating mechanical designs directly in SOLIDWORKS.



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Control Laser Energy and Pulse

From: Advanced Energy Industries Inc.

Ideal for lasers and optical switches, the HVA series provides DC to 1 kHz operation over 0 to 1 kV, up to 20 kV, unipolar and bipolar. This series delivers high accuracy, stability and reliability with low ripple and noise. Symmetrical source and sink current capability enables uniform synchronous, asynchronous and arbitrary waveform generation that enhances system performance.



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Sapphire Wave Plates

From: Meller Optics, Inc.

Meller Optics sapphire wave plates for Er:YAG and holmium lasers extend polarization into the infrared and provide superior damage resistance to quartz and mica. They are available from 0.3 to 4.7 μm and, for Er:YAG and holmium lasers, at 2.94 and 2.10 μm , respectively. The wave plates are offered in $\lambda/4$ and $\lambda/2$ versions and with diameters from 10 to 30 mm. Stock wave plates are available by phone or from our website.



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LensMechanix

The next revolution in optomechanical product development

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Additional Products



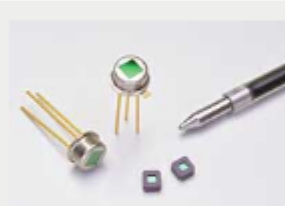
DBR Laser with Beam Correction

Photodigm Inc.

Photodigm DBR lasers are now available with internal beam correction. A virtual point source microlens corrects astigmatism and reduces fast axis divergence, resulting in a user-friendly beam that can be focused or collimated as needed with a single aspherical lens. The near Gaussian output increases coupling efficiency...

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New Infrared Detectors

Hamamatsu Corporation

Hamamatsu has introduced new IR detectors for a variety of applications. These include new InGaAs PIN photodiodes for NIR detection and InGaAs image sensors for NIR spectroscopy, sorting and imaging. For mid-IR applications such as gas detection and radiation thermometry, we offer compact InAsSb photovoltaic detectors that...

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IDL165-BL Industrial Linear Stages

Newport Corporation

The mid-travel IDL165-BL industrial linear stages feature a ballscrew and brushless motor drive for high duty cycle and high throughput applications.

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NEW Precision Temp Controller

Wavelength Electronics Inc.

Our QCL Driver offers the lowest noise commercially available at 0.4 μA RMS (500 mA model). Our NEW Thermoelectric controllers are available up to 10A with 15V compliance and stability of 0.0009 °C. These intuitive touchscreen instruments are ideal for bench top or rack mount research. They ensure maximum safety and...

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Analog/Digital Fiber Optic Links

Terahertz Technologies Inc.

The LTX515 series multiplexes one analog signal at 12- or 14-bit precision with up to four digital channels; the LTX525 series supports up to 16 digital channels over a single fiber, at DC to 25 MHz. Our LTX72XX series accomplished this bi-directionally over a single fiber. Applications include: data acquisition for...

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Mini Beam Steering Kits

New Scale Technologies Inc.

The easy, all-in-one solution for beam steering! Rotary microstage features built-in controller for smallest size and elegant simplicity. Familiar galvo form factor, but only 12-mm diameter INCLUDING closed-loop controller. Accepts high-level motion commands from your system processor via I2C, SPI, UART or analog servo...

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Mini-Hexapod Platform (MHP)

Picard Industries

Our MHP-11 system offers a compact method of six-axis motion control with micron resolution. This rigid and precise platform is perfect for positioning optical components. With its dedicated drive electronics and Windows-based 6D user interface with Space Mouse, the control of the platform's motions is greatly...

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Thin Films and Optical Assembly

Applied Optics Center (AOC)

The Applied Optics Center has been and continues to be one of the preeminent suppliers of laser blocking and absorbing filters as well as optical assemblies to both the U.S. military and commercial industry. Five 2-meter coating chambers, along with various 1-meter and 1/2-meter chambers, place AOC in a unique position...

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LS-Series Linear Stages

Applied Scientific Instrumentation Inc.

ASI's LS-Series of Linear Stages can be used in many applications that require precision motion control and micropositioning. The LS-Series Stages provide sub-micron accuracy, deriving their precise control by using closed-loop DC servomotors and employing high-resolution rotary encoders for positioning feedback. The...

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12-in. (300 mm) Fizeau Interferometer

Davidson Optronics Inc.

Ideal for measuring large flats, windows and wafers along with prismatic testing, the DOI-300F incorporates the latest in phase-shifting, camera, laser and software technologies. With a diffraction limited optical design, the DOI-300F provides unparalleled, large plano optics measurement accuracies at an...

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QF-46 Microscope Objective Piezo Stage

Aerotech Inc.

Aerotech's QFOCUS™ QF-46 single-axis, piezo nanopositioning stage series enables microscope objective and optics positioning at high speeds with nanometer-level performance. The QF-46 is available in closed-loop travels of 100 μm and 250 μm (120 μm and 300 μm open-loop), and due to its higher inherent...

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Precision Polymer Optics

GS Plastic Optics

GS Plastic Optics works with executives and program managers to solve complex optical challenges. We manufacture high-performance injection molded polymer optics specifically designed to help customers improve their competitiveness and market share. Our in-house team consists of experts in diamond turning, thin-film...

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