

# showcase



## May 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](http://Photonics.com/rssc).

## Featured Products

### NEW FLIR X6900sc High-Speed Camera

From: **FLIR Systems Inc.**

Whether you need to measure temperatures on fast-moving objects or characterize the thermal transient of objects as they heat up, FLIR has the answer with its newest science camera. Introducing the X6900sc, the world's fastest commercially available 640 × 512 infrared system. With an astounding frame rate, recording capabilities and synchronization options, this camera blends high-speed visible camera features with the latest in FLIR technology.



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### 16-Position Filter Wheel

From: **Applied Scientific Instrumentation**

ASI's FW-1000 16-position filter wheel utilizes a closed-loop DC servomotor to provide high speed (less than 40 milliseconds between adjacent positions) and low vibration operation (less than  $3 \times 10^{-4}$  kg-m<sup>2</sup>/s maximum vibration torque impulse). The unit employs a high-resolution rotary encoder for positional feedback and utilizes non-volatile flash memory to store programmable filter sequences and delays. The 16-position filter wheel is great for use in many fluorescence microscopy applications.



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sponsor

**FASTER THAN A SPEEDING BULLET**  
Introducing the FLIR X6900sc High Speed MWIR Camera



[SEE IT HERE](#)



## Additional Products



### Automated Alignment Telescope

**Davidson Optronics Inc.**

The D-275-AAT focuses from 16 in. (40 cm) to infinity, and is used to align and

measure the location and angular orientation of any number of targets along its optical axis.

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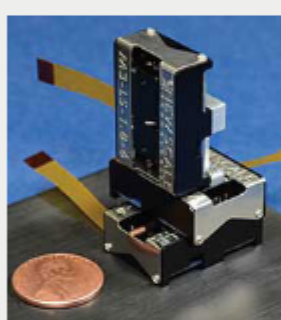


### CleanBench™ Compact Tabletops

**TMC**

CleanBench™ laboratory tabletops for small lab tables combine TMC's Gimbal Piston™ air vibration isolation system with a new tabletop design, providing more stability and better ergonomics in a compact table.

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### Microstage with Built-In Controller

**New Scale Technologies Inc.**

Tiny linear positioning stage is only 29 × 20 × 10 mm including the built-in controller. The M3-LS Linear Smart Stage has 0.5-μm resolution, absolute

encoding, 6-mm travel and very low, uniform friction—even under side loads.

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### Sapphire Wave Plates

**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.

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### New High-Speed Laser Wavelength Meter

**Bristol Instruments Inc.**

Bristol Instruments has introduced the model 871, a laser wavelength meter that measures the absolute wavelength of pulsed and CW lasers at a rate as high as 1 kHz.

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### Spectroscopy-Certified™ Laser Diodes

**Photodigm Inc.**

Photodigm Spectroscopy-Certified™ DBR Laser Diodes are used in portable analyzers for raw material verification.

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### HXP-Joystick

**Newport Corporation**

The HXP-Joystick enables remote control of a Newport HXP hexapod in all 6 degrees of freedom. Joystick setup is very simple, just like any Windows device, and lets you make fine adjustments of the hexapod in no time. Buttons are quite intuitive for motion and adjusting speed.

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### Optical Laboratory Equipment

**Terahertz Technologies Inc.**

Terahertz Technologies Inc. manufactures a variety of U.S.-made products for your optical laboratory needs. We offer O/E converters in bandwidths from DC to 20 GHz and E/O/E fiber optic, lab grade links.

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### PC-Controlled Variable Coupler

**Evanescent Optics Inc.**

The Model 905(P)-M is a variable-ratio fiber coupler; the ratio can be remotely controlled with a PC through a USB port.

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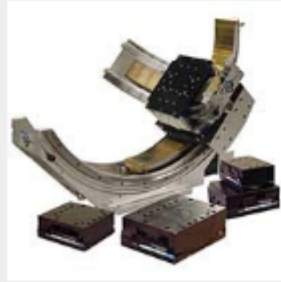


### Embedded Frame Grabber

**EPIX Inc.**

The PIXCI® e104×4 Gen2 Camera Link frame grabber captures from dual 80-bit cameras or four base Camera Link cameras.

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### Goniometers

**Aerotech Inc.**

Aerotech goniometers are offered in direct-drive and worm-gear models. ANT-20G series direct-drive goniometers offer 0.05 arc-second resolution, ±0.03 arc-second in-position stability and ±6 arc-second accuracy.

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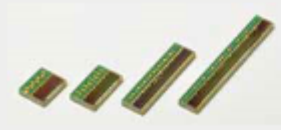


### USB XYZ-STAGE

**Picard Industries**

Picard's XYZ-Stage system offers a compact, efficient and simple method of remotely positioning a 2-Kg load in three dimensions.

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### CMOS Image Sensors

**Hamamatsu Corporation**

We offer a variety of CMOS image sensors such as linear arrays suitable for spectroscopy and scanning applications, and area arrays suitable for machine vision, scientific applications and security imaging.

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### High Volume Camera Module Assembly

**TRIOPTICS GmbH**

With ProCam Inline, TRIOPTICS offers a modular manufacturing line for active alignment, assembly and testing of camera modules for mass production.

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### Precision Polymer Optics

**GS Plastic Optics**

GS Plastic Optics works with executives and program managers to solve complex optical challenges.

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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.

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