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AEROTECH | **Sensor Fusion** | Data acquisition precisely integrated with motion control



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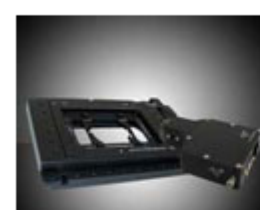
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Featured Products in This Issue



Compact Lift Stage Offers ±1.0-µm Accuracy
 Aerotech, Inc.  



Aerotech's MPS-SV series lift stages provide high-performance elevation motion in a compact, cost-effective design. Offered in two sizes (MPS50SV and MPS75SV), these stages are perfect for applications ranging from light-duty laboratory research to high-duty-cycle production processes. Multi-axis stage configurations can be assembled easily with other MPS linear and rotary stages using the multitude of adapter brackets and mounting compatibility inherent in the MPS stage family.



Ultra Precise Piezo Z-Focusing
 Applied Scientific Instrumentation, Inc.  

The combination of ASI's CRISP focus feedback system with our proven line of piezo Z top plate DC servomotor X-Y stages provides a solid solution for both high-speed and long-term imaging as well as superresolution microscopy. Systems are available for both inverted and upright microscopes.



New Fiber Optic Beam Combiner for up to Eight Lasers
 Coherent Inc.  

The OBIS Galaxy is the first product to enable users to combine the output of up to eight separate lasers (spanning the 405 nm to 640 nm wavelength range) into a single-mode fiber with plug-and-play simplicity. This robust, compact, fiber optic combiner will greatly simplify laser implementation in multi-wavelength applications - for both laboratory users and OEM instrumentation manufacturers.



Advanced Infrared Camera
 Allied Vision Technologies GmbH  

AVT's Goldeye is a high-performance short-wave infrared (SWIR) camera. It has a spectral response from 900 nm to 1700 nm. Its InGaAs sensors feature high sensitivity, very good linearity, and a high damage threshold against intense illumination. Thanks to their 14-bit processing, Peltier cooling and the numerous image correction features, Goldeye cameras produce an outstanding, low-noise image quality.




Coherent StingRay Structured Light Laser
 Coherent Inc.  

The Coherent StingRay, a new range of diode-based pattern generators, delivers enhanced flexibility, unique control optimization, and extended lifetimes. This new structured light laser enables faster and more accurate machine vision systems that use 3D Triangulation, combining electronics and industry-leading aspheric beam shaping to deliver today's highest performance lasers.



Fastest CMOS High-Speed Camera
 AMETEK Vision Research 




High Voltage DC-DC Converters
 Pico Electronics, Inc. 



Expanded IR Catalog
 ISP Optics Corporation 




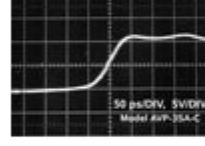
Urethane Modified Epoxy Gel
 Master Bond Inc. 




Glass Wafers
 Sydor Optics, Inc. 



Trig™ Bare Fiber Polisher
 KrellTech 




40-500 ps Pulse Generators
 Avtech Electrosystems Ltd. 




USB Shutter
 Picard Industries 




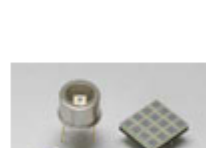
Sapphire Wave Plates
 Meller Optics, Inc. 



Precision Machining Sapphire/Ceramics
 Insaco, Inc. 



World's First Smart Spectrometer
 Saelig Co. Inc. 




Detection Made Small and Simple
 Hamamatsu Corporation 




New USB TEC Compact Laser System
 World Star Technologies 



The Rock Solid Alternative!
 Siskiyou Corporation 




OptiAngle Test Station
 United Lens Co., Inc. 




Third-Generation Entry-Guard System
 Kentek Corporation 




Automatic Centering Machine with Robot
 Mildex, Inc. 



Compact Optical Fiber Splicer
 Vytran LLC, Member of the NKT Group 



Phase-Locked Loop Optical Chopper
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