



PHOTONICS SHOWCASE



January 2018

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. Manage your Photonics Media membership at Photonics.com/subscribe.

Featured Products

[Objective Lenses by OptoSigma](#)

From: OptoSigma Corp.

Standard and custom objective lenses for imaging and laser processing. Wavelengths include ultraviolet, visible and near-infrared. Offering a large variety of long working distances and high numerical apertures with RMS or M26 threads and magnifications ranging from 2× to 100×. Unique laser processing objectives that are corrected for simultaneous visible imaging. Find them all on our website!



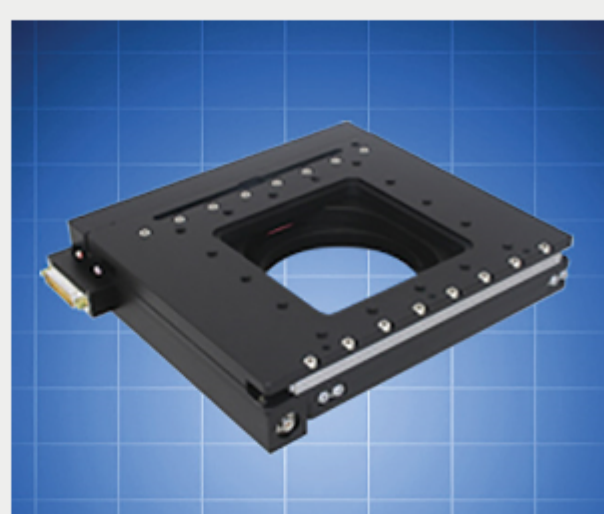
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[OE-1250 GEN II MS-Stage](#)

From: Applied Scientific Instrumentation Inc.

ASI has designed the OE-1250 GEN II Stage specifically to be configurable for manufacturers and easily integrated into their systems. The OE-1250 Stage has custom mounting options, a flat top designed with multiple configurations, higher load capacity, precise motion and high repeatability. The OE-1250 provides controlled linear motion alignment, orthogonal movement and lower driving friction.



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[2 to 16 μm MWIR/FIR Beam Profiling](#)

From: DataRay Inc.

DataRay's new WinCamD-IR-BB broadband 2 to 16 μm MWIR/FIR beam profiler system includes many industry-leading features, such as: broadband 2 to 16 μm VOx microbolometer; 640 × 480, 10.88 × 8.16-mm active area with 17-μm pixels; port-powered USB 3.0; up to 30 FPS update rate; integrated shutter for automated NUC; and M2 measurements.



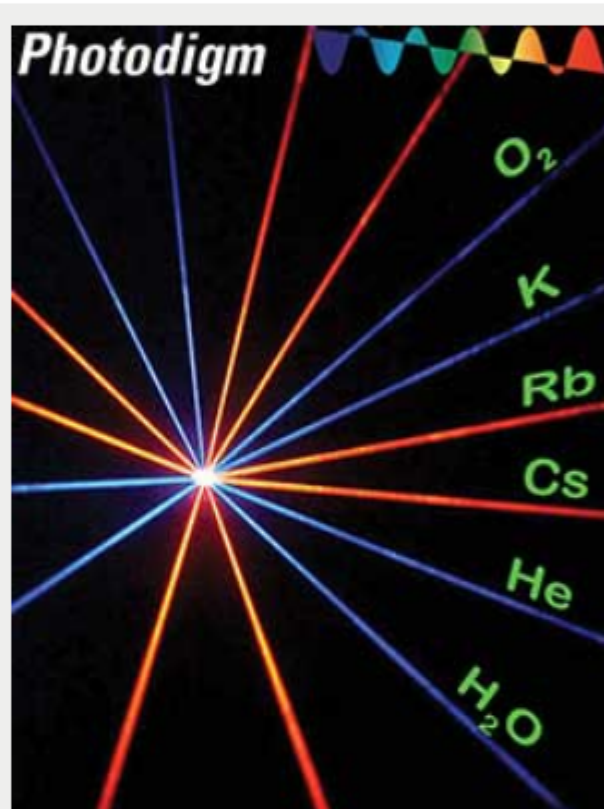
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[Spectroscopy-Certified™ Laser Diodes](#)

From: Photodigm Inc.

Photodigm offers the broadest range of monolithic DBR laser diodes designed for probing atomic and molecular spectroscopic transitions. We fabricate our own product, enabling us to meet our customers' requirements for superior performance at the highest available powers. Available today in multiple package options. Photodigm single-frequency, tunable DBRs form the building blocks for tomorrow's atom-based handheld and mobile systems.



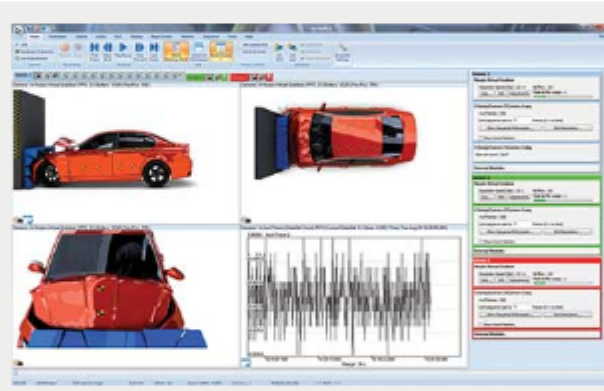
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[Digital Video Recording Software](#)

From: NorPix Inc.

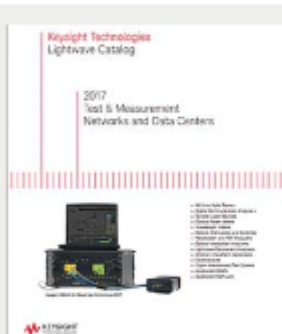
StreamPix 7 supports a wide selection of GigE Vision, 10 GigE, USB3, CoaXpress and Camera Link cameras. StreamPix can capture from multiple synchronized cameras simultaneously along with computer time stamp, GPS coordinates and IrigB or GPS timing. DAQ data can also be captured from single or multiple sources at rates of single or multiple inputs per second.



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Additional Products



[Request Lightwave Catalog](#)

Keysight Technologies
Get the largest catalog of high-performance test & measurement solutions with over 100 pages on test applications and equipment used in core fiber networks and data centers. Keysight's catalog addresses the latest technologies such as silicon photonics, 400G, PAM-x and coherent transmission.

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[Make Any Camera Intensified](#)

PHOTONIS Technologies
Photonis introduces Cricket, a simple, cost-effective adapter that converts any camera into an intensified camera. This self-contained coupler connects via C-Mount and comes complete with a power supply, an image intensifier and many options to customize to a particular application, including Hi-QE photocathodes, gating and shutter speeds.

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[FRED Optimum Optical Engineering Software](#)

Photon Engineering LLC

FRED Optimum Optical Engineering Software is capable of simulating the propagation of light through any opto-mechanical system by ray tracing. Whether the design is imported from CAD, a lens design program or constructed from within the software itself, FRED provides engineers with the essential tool...

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[Laser Beam Monitoring for 3D Printing](#)

Ophir, Photonics
MKS Instruments, a global provider of technologies that enable advanced processes and improve productivity, introduces Ophir® BeamWatch® AM, the industry's first noncontact laser beam monitoring system for additive manufacturing. BeamWatch AM is designed for real-time measurement of focal shift during laser startup..

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[Custom Optical Liquids](#)

Cargille-Sacher Laboratories
With over 90 years of expertise, we can custom blend high-precision liquids to a specific refractive index, dispersion and density with high or low viscosities. We have liquids that closely match the refractive

index and dispersion of Fused Silica, BK-7 and water at various temperatures.

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[Fastest Laser Wavelength Meter](#)

Bristol Instruments Inc.
Bristol Instruments' popular 871 system measures laser wavelength at a sustained rate of 1 kHz, the fastest available. It also measures wavelength to an accuracy as high as ± 0.0001 nm. By combining proven Fizeau etalon technology with automatic calibration, the most reliable accuracy is ensured.

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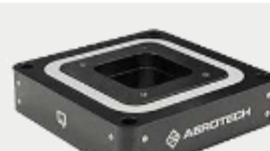
[Calcium Fluoride Optics](#)

Meller Optics Inc.

Meller CaF2 Optics feature a highly polished surface for long life and operate over a broad transmission range with 90 to 95 percent transmission uncoated. Offered in 1/4- to 5-in. diameter sizes, they can be supplied as windows, lenses and prisms for a wide variety of applications.

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[XYZ Piezo Stages](#)

Aerotech Inc.

Aerotech's QNP3 series XYZ parallel kinematic piezo positioning stages combine subnanometer resolution, high dynamics and excellent geometric performance in a compact, low-profile package. They come standard with a 40 × 40-mm aperture with travels up to 120 × 120 × 12 μm.

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