



PHOTONICS SHOWCASE



PHOTONICS MEDIA

July 2019

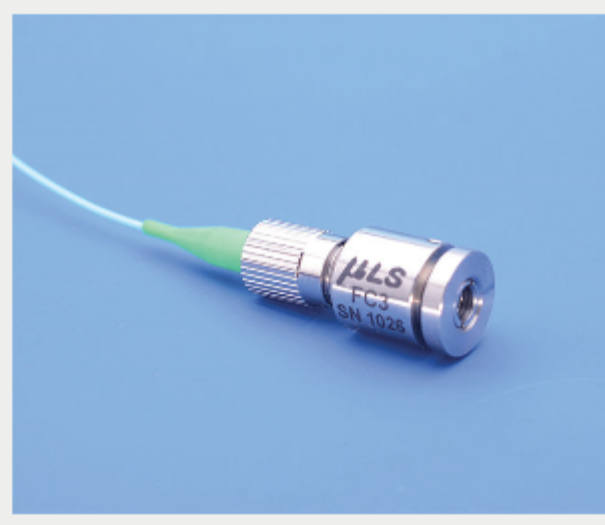
Bi-monthly product-focused newsletter with highlights from the latest issue of Photonics Showcase. Use the Request Info links below to ask for more information about these products, or visit Photonics.com/rssc. Manage your Photonics Media membership at Photonics.com/subscribe.

Featured Products

[FC3 Fiber Collimator](#)

From: Micro Laser Systems Inc.

The FC3 Adjustable Fiber Collimator generates a 1-mm beam with low wavefront error from SM fibers. The focus adjustment allows you to tune to your wavelength. You can also adjust focus to give micron-size spots with long depth of focus. The back end has an FC or FC/APC receptacle for use with any type of laser.



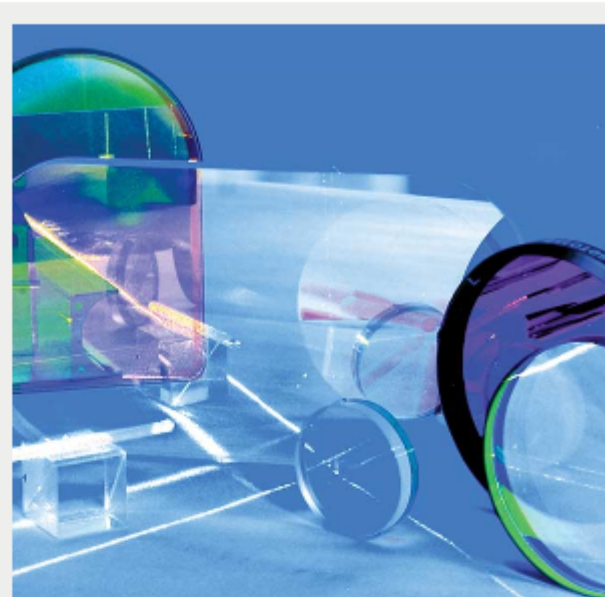
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[Thin Films and Optical Assembly](#)

From: 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 with regard to coating capacity. A wide variety of coatings on various substrates can be designed.



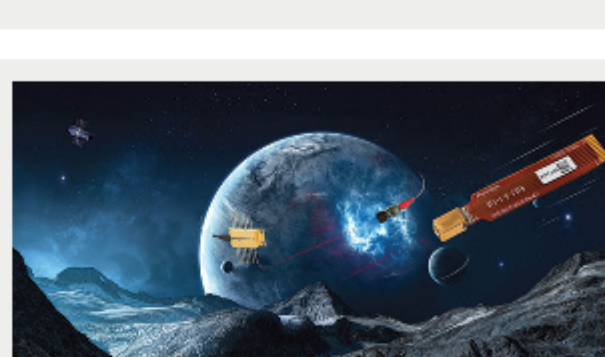
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[Space-Certified™ Laser Diodes](#)

From: Photodigm Inc.

As the demand for qualifying commercial optoelectronic technologies for space missions grows, Photodigm has developed test procedures for its DBR lasers as well as third-party optoelectronic components to ensure the highest reliability for space applications. This level of testing includes a complete element evaluation with device screening, conformance inspection, and space environment lot qualification for the mission demands.



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[Multi-Immersion Objectives](#)

From: Applied Scientific Instrumentation Inc.

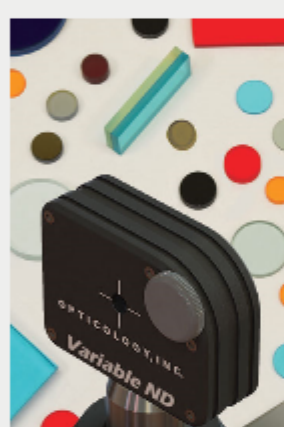
The dipping objective lenses have been developed and designed for light sheet microscopy of cleared tissue samples. They work in all media without a correction collar because of a unique curved first surface, and are robust to harsh media including DBE and BABB. They have NA of 0.4 and 0.7, with a working distance of 12 and 10 mm, respectively.



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Additional Products



[Variable Absorptive Neutral Density Filter](#)

Opticology Inc.

Since 1999, we've found innovative ways to use Colored Glass Filters for production/ OEM customers. Includes neutral density, bandpass, cemented combinations, curved surfaces, tempered. Also offering precision, calibrated polished-to-transmission, and AR coatings. Free design assistance.

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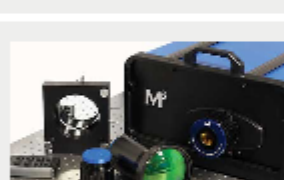
[Custom-Injected Molded Optics](#)

Diverse Optics Inc.

Let Diverse Optics' experience and obsession help transform your optics into functional works of art. We work to reduce cost, trim weight, and improve performance for every customer. After manufacturing the most difficult optics for medical, defense...

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[High-Resolution IR Interferometer](#)

M3 Measurement Solutions Inc.

The M-Wave 339 is a state-of-the-art infrared interferometer, operating at 3.39 micrometers. Its nominal 25-mm aperture, combined with a 640 x 512 camera and 1x to 6x continuous zoom offer unparalleled lateral resolution when measuring small to mid-size optics.

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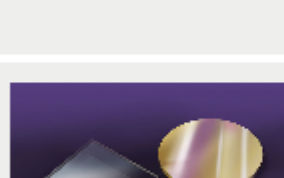
[Hamamatsu Custom Flow Cells](#)

Hamamatsu Corporation

Influenced by 50 years of experience in glass processing technology, Hamamatsu's customizable flow cells offer exceptional versatility. Our flow cells are crafted with high-quality quartz and fused silica materials and provide high dimensional accuracy with a minimum tolerance of ±0.005 mm.

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[IR Optics White Paper](#)

Precision Glass & Optics (PG&O)

Learn how selecting the optimal infrared (IR) materials for critical, high-performance IR-imaging applications is essential for producing the best, optically clean, polished IR optics. PG&O provides finished IR optics that operate from 0.75 μm in the near-IR (NIR), out to 15 μm in the longwave-IR (LWIR).

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[Custom Optical Fabrication](#)

Reynard Corporation

Reynard Corporation has a full-service, in-house optical fabrication facility to meet your precision optical requirements. Along with processing popular materials such as borosilicate, fused silica and colored filter glass, we are intimately experienced working with UV, visible and IR exotic materials,...

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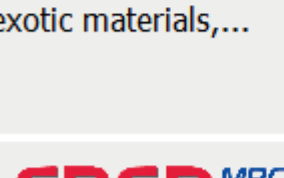
[Sapphire Windows for Aircraft](#)

Meller Optics Inc.

Meller Optics Inc. of Providence, R.I., has introduced custom-fabricated large sapphire windows for protecting electronics in aircraft and drones that fly in bad weather and demanding environments. Sapphire windows can be placed in different configurations and sizes up to a diameter of 10 in...

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[FRED Optical Engineering Software](#)

Photon Engineering LLC

Unleash your engineering creativity and inquisitive mind with FRED^{MPC}. Predict performance with higher confidence by tracing orders of magnitude more rays through your system. Experiment by varying more parameters to find the optimum hardware configuration.

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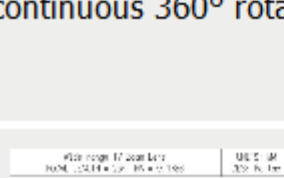
[AMG High-Speed Gimbal Mounts](#)

Aerotech Inc.

Aerotech AMG gimbal mounts provide precise angular position, rate, and acceleration for development and production testing. They are ideal for directing optics, lasers, antennas, and sensors at high speeds to precise pointing angles, and they offer continuous 360° rotation of azimuth and elevation...

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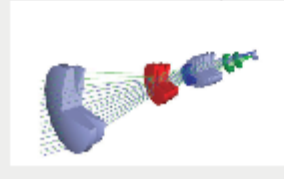
[Software for Optical Design](#)

Lambda Research Corp.

OSLO is a powerful yet affordable optical design program with the features needed to meet today's demanding optical requirements. It combines advanced ray tracing analysis, and optimization methods with a high-speed macro language. OSLO's integrated software environment helps users complete almost any task...

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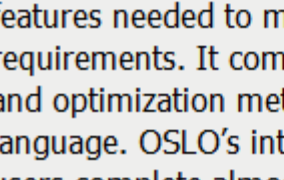
[USB-Powered Motion Control](#)

Picard Industries

Picard Industries offers a line of USB-powered motion devices for automating your beam path control. These devices provide a compact, self-powered, hot-pluggable, autodetection method of motion control. Large multidevice systems are possible with externally powered USB hubs.

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[Laser Spectrum Analyzer](#)

Bristol Instruments Inc.

The model 771 operates as both a high-resolution spectrum analyzer and a high-accuracy wavelength meter. With spectral resolution up to 2 GHz and wavelength accuracy as high as ±0.0001 nm, this system provides the most detailed information.

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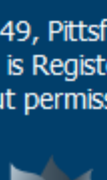
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