



# PHOTONICS SHOWCASE



## January 2020

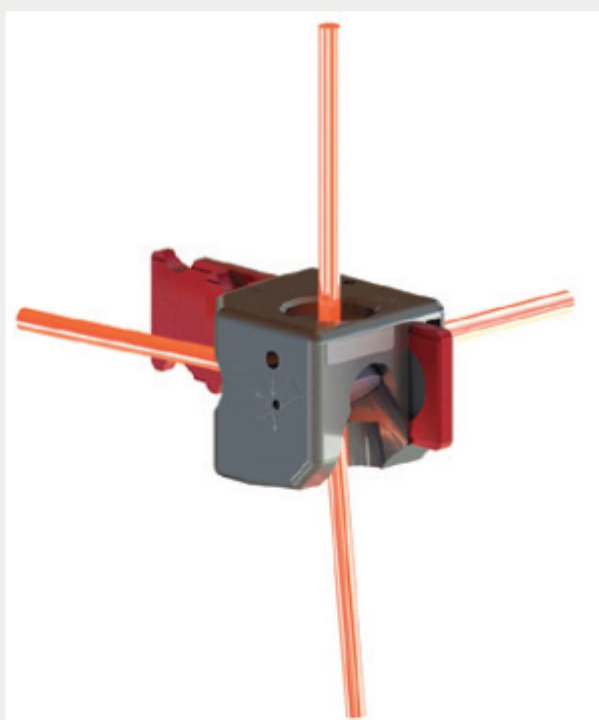
Bi-monthly product-focused newsletter with highlights from the latest issue of Photonics Showcase. Use the Request Info links below to ask for more information about these products, or visit [Photonics.com/rssc](http://Photonics.com/rssc). Manage your Photonics Media membership at [Photonics.com/subscribe](http://Photonics.com/subscribe).

## Featured Products

### [High-Attenuation Beam Splitter](#)

From: Ophir, Photonics

The Ophir® LBS-300HP-NIR Beam Splitter is a compact device that, for the first time ever, enables camera-based beam profiling for high-power lasers. It delivers extremely high power density attenuation, up to 15 MW/sq cm at 5 kW, reflecting less than 0.0001% of the incident NIR beam while transmitting 99.9999%. This enables measurement of beam shape, focal spot, beam waist, and overall power.



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### [Auto Lens Edger with Robot](#)

From: Mildex Inc.

The Model SPCM-M1-AT50 lens-centering machine features an integrated robot for loading and unloading the workpieces. Several hundred workpieces can be processed without further operator intervention, leaving the operator free for other production tasks in the workshop. Efficiency and increased production volumes are easily achieved. This machine can process spherical lenses and plano windows up to 82 mm diameter.



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### [Multi-Immersion Objectives](#)

From: Applied Scientific Instrumentation Inc.

ASI and Special Optics have developed two dipping objective lenses designed for light sheet microscopy of cleared tissue (ct) samples. Both work in all media without a correction collar due to a unique curved first surface. They're robust to harsh media, including DBE and BABB, and have NAs of 0.4 and 0.7, with working distances of 12 and 10 mm, respectively.



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## Additional Products



### [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  $\pm 0.0001$  nm. By combining proven Fizeau etalon technology with automatic calibration, the most reliable accuracy is ensured for the most meaningful experimental results.

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### [Compact InAsSb MIR Detector](#)

Hamamatsu Corporation

Infrared detectors hold so much potential but have long been held back due to cost and complexity. A game changer, Hamamatsu's low-cost P13243-013CA InAsSb detector has enhanced sensitivity and blazing speed. We're giving away free samples of this InAsSb detector at Photonics West 2020 to those with IR projects and research, so visit us at booth 1227 to get yours.

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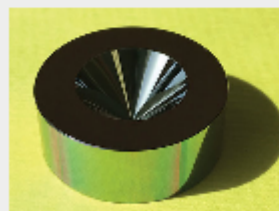
### [Durable Sapphire Prisms](#)

Meller Optics Inc.

Meller Sapphire Prisms feature Mohs 9 hardness, which is second only to diamond, and are offered in various equilateral, right-angle, trapezoid, and triangle configurations fabricated to OEM specifications. Ideal for use in demanding applications and harsh environments, sapphire is chemically inert and a far more durable replacement for glass or quartz.

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### [Diamond-Turned Reverse Axicons](#)

Reynard Corporation

Reynard Corporation produces and coats reverse axicons with 360° windows. We have internal diamond-turning capabilities with a focus on IR, exotic, and III-V crystal materials. Aspheric, spherical, cylindrical, and free-form elements are designed, manufactured, coated, and tested in-house. Other services include design support, optical fabrication, photolithography patterns, and MIL-Spec environmental testing.

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