

# PHOTONICS SHOWCASE



See the latest products and services from November 2023.

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## Featured Products & Services

### [Fastest Laser Wavelength Meter](#)

From: **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.



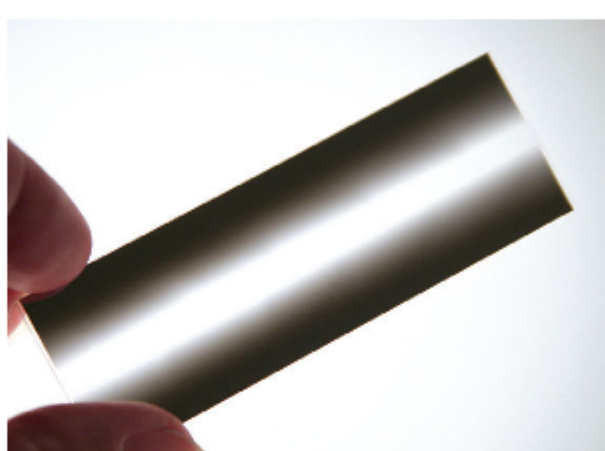
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### [Linear Apodizing Filters](#)

From: **Reynard Corporation**

Used to eliminate undesirable intensity variations in optical systems. When inserted in front of a detector, the filter is used as a soft slit to reduce diffraction patterns, eliminate detector saturation, and obtain a uniform light intensity to the detector. The filters have a constant density in one direction and variable neutral density filtering in the other direction. ISO 9001:2015/ITAR/CMMC.



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### [Umicore Coating Services Ltd.](#)

From: **Umicore Coating Services**

Umicore Coatings Services is one of the leading manufacturers and suppliers of infrared precision optical filters and coatings to some of the most demanding specifications and applications. With over 30 years' experience and more than 2500 proven coating processes, our extensive knowledge enables us to repeatedly manufacture optical coatings with exceptional spectral and environmental performance.



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### [New Lineup of Mid-IR LEDs](#)

From: **Hamamatsu Corporation**

Hamamatsu's new lineup of mid-IR LEDs optimizes your precise optical gas detection and measurement. These LEDs harness Hamamatsu's unique crystal growth and process technology and offer high output, rapid response, and low power consumption. Peak emission wavelengths range from 3300 to 4300 nm, and these LEDs now come in affordable ceramic and metal packages.



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### [Fast. Custom. Lenses.](#)

From: **Rainbow Research Optics LLC**

Rainbow Research Optics specializes in high-precision custom glass and IR lenses for critical applications in the defense, life science, and industrial markets. Full in-house capabilities including fabrication and VIS/ MWIR thin-film coatings for fast delivery and high levels for service. Materials include all glass, CaF<sub>2</sub>, Si, Ge, ZnSe, and ZnS. Made in U.S., ITAR registered, and ISO certified.



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