

# PHOTONICS SHOWCASE



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## Featured Products & Services

### [High-Speed Vis-SWIR Camera](#)

From: **Emberion Oy**

Emberion VS20 GigE VIS-SWIR camera utilizes a unique quantum dot-based CMOS sensor technology. Emberion released a high-speed 400-fps camera with wide spectral range from 400 to 2000 nm and high dynamic range (HDR) capabilities. Applications targeting machine vision includes optical sorting (e.g., waste sorting in the recycling industry), semiconductor, defense, horticulture/agriculture, and multispectral imaging.

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### [IR Filters for Thermal Imaging](#)

From: **Spectrogon US Inc.**

Spectrogon manufactures infrared filters and windows with high transmission, high rejection outside the passband, while maintaining excellent coating uniformity for thermal imaging and gas detection applications such as cryogenically cooled IR detectors and uncooled microbolometers. Our filters and windows range in dimension from Ø6.0 to Ø200.0 mm with dicing capabilities down to as small as 1.0 × 1.0 mm.

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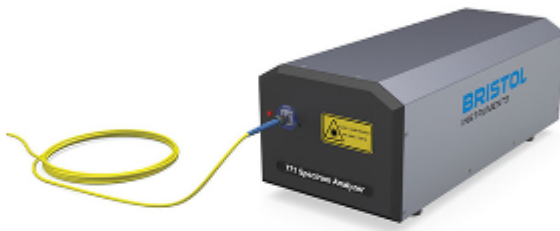
### [771 Laser Spectrum Analyzer](#)

From: **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 about the spectral properties of lasers operating from 375 nm to 12 µm.

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### [Ask the Experts](#)

From: **Hamamatsu Corporation**

At Hamamatsu, innovation never stops. Talk to our experts at Photonics West Booth 1127 and learn how image sensors, detectors, spectrometers, light sources, and cameras advance your application. Quantum Technologies, Lidar, Life Sciences, Spectroscopy, Gas Analysis, Machine Vision, Industrial, Environmental. Visit [pw.hamamatsu.com](http://pw.hamamatsu.com).

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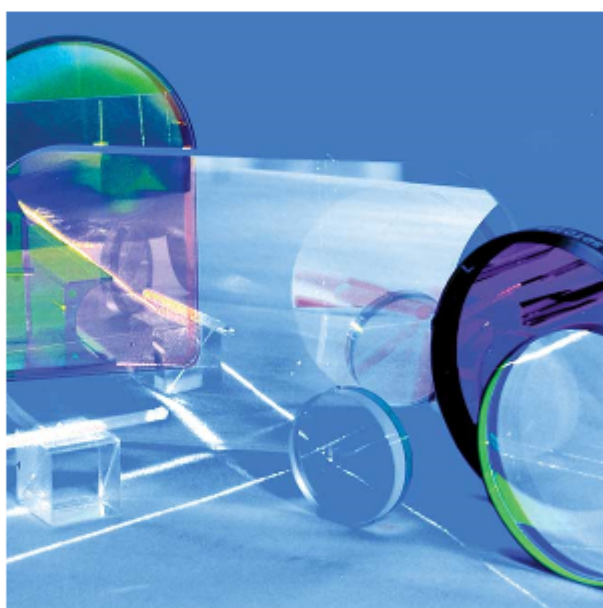
### [Thin Films and Optical Assembly](#)

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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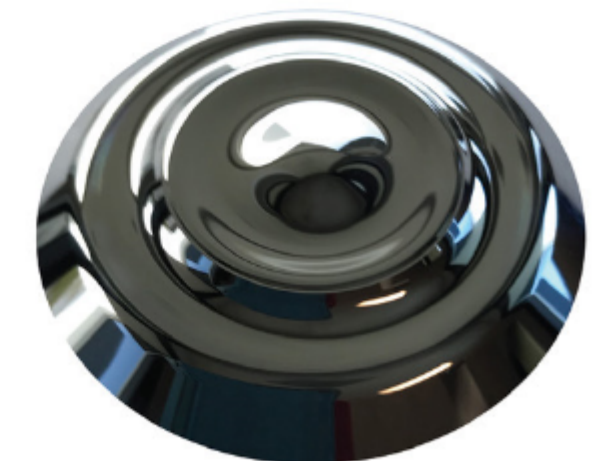
### [Custom Optical Fabrication](#)

From: **Reynard Corporation**

Reynard Corp. 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, including crystals and ceramics. From flats and wedges to aspherics, we understand precision optics from fabrication to coating.

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