

# PHOTONICS SHOWCASE



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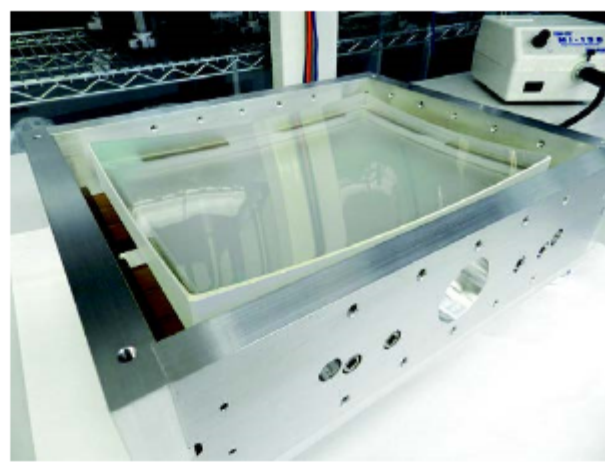
### [Off-Axis Parabolas](#)

**From: Aperture Optical Sciences Inc.**

AOS produces off-axis parabolas for the most demanding applications in technology today including high energy lasers, analytic instruments, and satellite imaging. Our special tolerancing system optimizes performance. We manufacture custom components in a variety of materials including silicon carbide, glass, silicon and other advanced ceramics. AOS aspheric optics can be found in high technology companies and laboratories around the globe.

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### [Mid-IR LED for Gas Detection](#)

**From: Hamamatsu Corporation**

Hamamatsu's new lineup of mid-infrared LEDs includes L15893-0330CA, featuring 3.3  $\mu\text{m}$  peak emission wavelength, high-speed response, and low power consumption. It delivers significantly higher output compared to previous products and was developed using Hamamatsu's unique crystal growth technology and process technology. The L15893-0330CA LED comes in ceramic packaging and is a suitable light source for methane (CH<sub>4</sub>) gas detection.

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### [Dual-Band Infrared AR Coatings](#)

**From: Reynard Corporation**

Infrared imaging systems require simultaneous performance MWIR (midwave, typically 3 to 5  $\mu\text{m}$ ) and LWIR (longwave, typically 8 to 12 or 7.5 to 13.5  $\mu\text{m}$ ) spectral bands. Our dual-band IR AR coatings achieve measured peak transmission values over 99.5% in both bands. High-performance dual-band AR coatings are applied to a variety of IR materials, large to small, on plano or curved surfaces, with excellent environmental durability and spectral performance. ISO9001:2015.

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### [Precision Micro-Marking Laser](#)

**From: PhotoScribe Technologies Inc.**

Precision micro-marking with the power of the 193nm DUV Excimer laser in a compact turnkey design. Ultra-precision beam control and a high-accuracy integrated motion/vision system. Ideal for: Diamonds, glass, polymers, ceramics, metals. Applications across Quantum devices, micro-optics, MEMS, microfluidics industries such as medical devices, electronics, aerospace, R&D. Intuitive software for desktop rapid prototyping with unmatched reliability.

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### [Rapid Custom Optics and Assemblies](#)

**From: Thorlabs Inc.**

Using our rapid optical prototyping capabilities, we can deliver multi-element assemblies in as little as four weeks and engineered components in as little as one week. We offer engineering design, cleanroom assembly, coating, and custom metrology and testing. We can design and manufacture spherical and plano optics from 4 - 380 mm as well as aspheric, cylindrical, and acylindrical optics in a variety of sizes. Contact us for your next project!

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### [Optical Machinery System Supplier](#)

**From: OptoTech Optical Machinery Inc., Precision Optics**

No matter what type of optical component you want to process, OptoTech is your system supplier for cutting edge processing machines, vacuum coating systems and measuring technology. Our machines and technologies have been shaping the optical industry for almost 40 years and we are not going to stop pushing the boundaries of processing optics. See for yourself how OptoTech can make a valuable contribution to the success of your company.

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### [High-Quality IR Cameras](#)

**From: Optpris Infrared Sensing LLC**

Affordable IR cameras in short- and longwave detector options. Richly featured software freely downloadable without annual subscription fees. Optics for microscopic or wide-FOV applications. Fast temperature measurements and easy process integration. Ideal for many industrial and R&D applications. Engineering support to quickly guide you to the best temperature measurement solution.

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### [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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### [Liquid Light Guides](#)

**From: Lumatec GmbH**

Liquid Light Guides are flexible, unbreakable, and very durable, and they have significantly better transmission, more homogeneous illumination, and a larger aperture than fiber bundles at lower costs! They are the perfect solutions for applications that demand uniform, high-intensity light. We offer four different series designed for diverse spectra ranging from ultraviolet to infrared and a broad selection of end fittings.

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