

# PHOTONICS SHOWCASE



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## Featured Products & Services

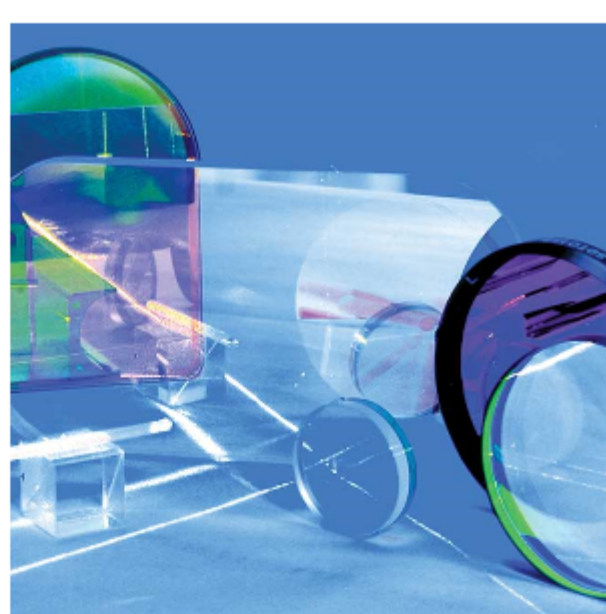
### [Thin Films and Optical Assembly](#)

**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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### [Enhance Your Analysis](#)

**From: Hamamatsu Corporation**

Hamamatsu's new photon counting head, H10682-110W, is engineered for reliability and offers exceptional performance in low-light applications, making it the perfect choice for advanced scientific research and cutting-edge industrial applications. It's integrated with a newly designed condenser lens for high light-collecting efficiency while keeping a thin profile and allows for photon counting measurements by simply connecting a +5 V supply.

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### [Cut & Drill Complex Geometries](#)

**From: Novanta Photonics, Precision Medicine & Manufacturing**

Precession Elephant III is the next generation multi-axis laser scan head delivering micrometer level precision for the drilling and cutting of complex geometries of various taper angles and shapes. The unique 5-axis design is compatible with ultra-short, pulsed laser sources to produce custom-shaped micro-holes with exceptional speed, unmatched precision, multiple laser wavelength compatibility, and maximum integration flexibility.

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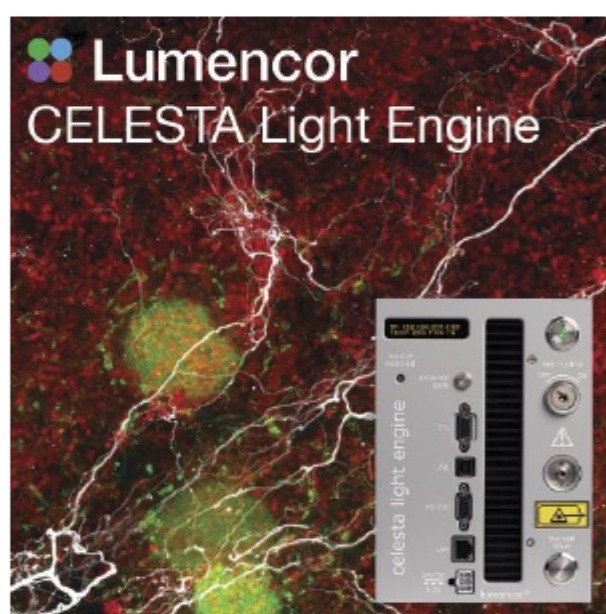
### [CELESTA Light Engine](#)

**From: Lumencor Inc.**

CELESTA Light Engine houses seven lasers in a turnkey illuminator for fluorescence confocal spinning disk microscopy and spatially resolved transcriptomics. 1000 mW/color from the end of an optical fiber is powerful, intense, quiet, reproducible and consistent. High-end imaging and OEM instrumentation are well supported. Ask about customization.

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### [HyperFine Spectrometer](#)

**From: LightMachinery Inc.**

The HyperFine series of spectrometers for low-intensity sources are designed for measuring hyperfine spectra and subtle spectral shifts from scattered light or distributed sources. The HyperFine spectrometer from LightMachinery is a compact spectrometer capable of 1-picometer resolution. It is enabled by VIPA etalons produced by LightMachinery's patented fluid jet polishing technology.

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### [450-nm Blue Diode Laser](#)

**From: PhotonTec Berlin GmbH**

The 450nm diode laser emits up to 200W from a single fiber with beam quality of 20mm.mrad. The diode module comes with hermetically sealed package, water cooling baseplate and a high-power SMA connector. Red aiming, thermistor and photodiode are integrated in the package. To drive the diode an appropriate power supply is available. 450nm laser is an ideal light source for processing non-ferrous metals such as gold, copper and copper alloys.

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