



## Photonics Showcase

### [Multi-Axis Fiber Alignment System](#)

**From: Aerotech Inc.**

The FiberMax® HP 3- to 6-axis photonics alignment platform is built on Aerotech's ANT nanopositioning product line. It is designed to meet the demanding needs of critical photonics alignment in a highly automated, 24/7 production environment with no compromise in speed, accuracy, and resolution.

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### [Experiment-Ready Mid-IR Spectroscopy](#)

**From: DRS Daylight Solutions Inc.**

DRS Daylight Solutions proudly launches its new mid-infrared spectroscopy kits, delivering an experiment-ready solution for researchers. Designed to reduce the time-consuming acquisition process, these kits enable immediate access to essential mid-IR technology. Featuring the renowned QCL systems by DRS Daylight Solutions, paired with advanced uncooled detectors from Vigo Photonics, the kits deliver high-speed, accurate mid-IR detection.

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### [IonBeam Processing of PIC Waveguides](#)

**From: scia Systems GmbH**

scia Systems' ultra-precise ion beam processing is driving manufacturers' success in producing PIC devices. Ion beam etching is ideally suited for the precise and uniform production of 3D waveguides while maintaining the integrity of the underlying material. Adjusting the ion incidence angle allows the creation of smooth vertical sidewalls. Material modifications by ion beam trimming improve thickness deviations, uniformity, and surface quality.

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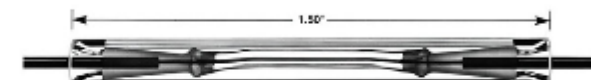
### [Norland Optical Splice](#)

**From: Norland Products Inc.**

Norland's optical splice provides a high-performance connection for optic fibers in a unique one-piece design.

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### [Intlvac Nanochrome™ IV PARMS](#)

**From: Intlvac Thin Film Corp.**

Our Plasma Assisted Reactive Magnetron Sputtering (PARMS) platform enables ultra-pure, low-loss coatings from UV to mid-IR with exceptional uniformity and virtually zero downtime. More scalable and cost effective than IBSD or e-beam, PARMS supports high layer counts, long runtimes, and complex designs. Ideal for defense, telecom, waveguides, laser optics, X-ray mirrors and more.

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### [SIRRUS™ PVD Platform](#)

**From: Alluxa**

Alluxa's innovative, next-generation SIRRUS™ plasma physical vapor deposition (PVD) platform offers full spectral coverage from ultraviolet (200 µm) to infrared (14 µm). The proprietary process enables optical filters with the steepest edges, highest transmission, and deepest blocking available while maintaining high performance, precision wavelength control, and extremely uniform coatings.

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### [A Light Source for the Quantum Age](#)

**From: Eblana Photonics Ltd.**

The future of quantum is photonics. From enabling secure global communications to building the next generation of sensors and processors, Eblana Photonics powers the quantum frontier with reliable, high-precision lasers and gain chips built for real-world deployment. At Eblana, we work alongside innovators to tailor optical solutions for complex quantum architectures, spanning research to scalable product development.

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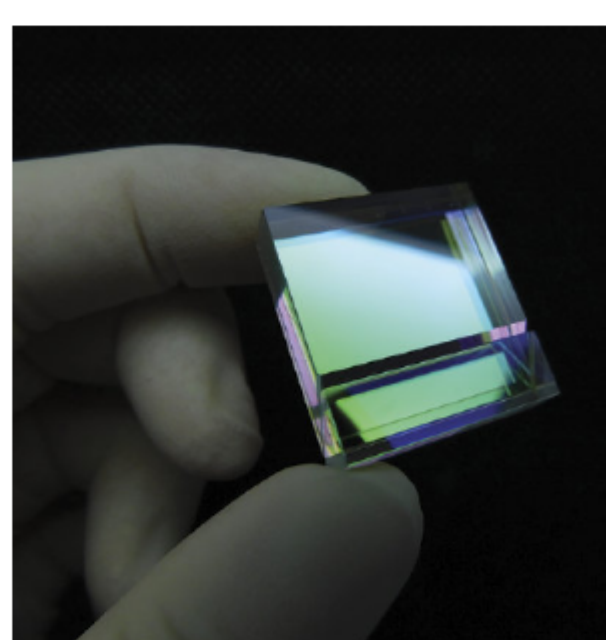
### [The VIPA: A Resolution Revolution](#)

**From: LightMachinery Inc.**

To resolve spectral features at 0.5 picometers, traditional echelle spectrometers need to be massive — four to five times larger than the HyperFine Spectrometer from LightMachinery. VIPAs pack high angular dispersion into an ultra-compact form, enabling LightMachinery's HyperFine Spectrometers to deliver echelle-level resolution in a fraction of the footprint (and cost) — with higher throughput and faster acquisition.

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### [ZIVA Light Engine](#)

**From: Lumencor Inc.**

ZIVA Light Engine is home to 7 bright, stable, robust lasers. A narrow fiber delivers ultra-high radiance from a compact, turnkey device. Sophisticated electronics support tough requirements for Structured illumination (SIM), stochastic optical reconstruction (STORM), super-resolution microscopy, and Yokogawa CSU-W1. OEM customization upon request.

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