

# PHOTONICS SHOWCASE



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## .: Featured Products & Services

### [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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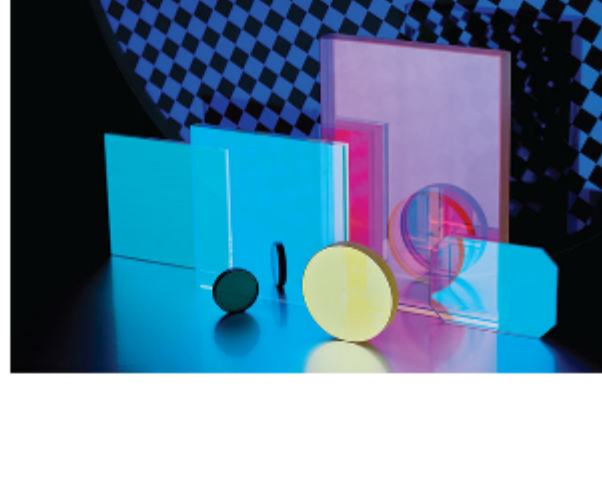
### [SIRRUS™ PVD Platform](#)

**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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### [Creating a Better Future Together](#)

**From: Hamamatsu Corporation**

Hamamatsu is committed to advancing light and imaging technologies to improve lives. From healthcare to environmental solutions, we are pioneering innovations that address the world's most complex challenges. Join us at Photonics West 2025 at booth 1127, alongside Energetiq Technologies, NKT Photonics, and Fairchild Imaging to discover our collaborative efforts for a brighter future, together as One Hamamatsu.

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### [Ultrafast Fiber Lasers: <50 fs, 2 W](#)

**From: HUBNER Photonics GmbH**

HÜBNER Photonics proudly announces the next generation of the VALO femtosecond lasers. The new Tidal delivers pulse durations of typically 40 fs at 2 W of output power. Due to the exceptional peak power and the integrated dispersion pre-compensation unit it is an ideal tool for nonlinear applications like high harmonic imaging, broadband terahertz generation, and nonlinear wafer inspection.

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### [Cr Series Fixed Focal Length Lenses](#)

**From: Edmund Optics**

These ruggedized imaging lenses are protected from shock and vibration to avoid damage while maintaining optical pointing and positioning. All individual lens elements are glued in place while robust mechanics with a simplified focus and stainless steel locking C-Mount clamp further prevent pixel shift. They are ideal for calibrated imaging systems such as measurement and gauging, 3D stereo vision, robotics and sensing, and autonomous vehicles.

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### [Design. Prototype. Scale.](#)

**From: Fresnel Technologies Inc.**

FTI provides American-made diamond turned or molded polymer optics, including micro-optics, aspheres, freeforms, and PIR in the UV, VIS, and IR range. Request your ruler kit and book a meeting at Photonics West to explore which optical approach may best suit your project. FTI's optical expertise, extensive catalog, and custom capabilities can help ensure your project's success.

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### [Uncooled Optical Gas Imaging](#)

**From: LightPath Technologies Inc.**

LightPath Technologies OGI (Optical Gas Imaging) camera provides a low cost, effective solution to visualize Methane and VOC's (volatile organic compounds). Traditionally only cooled sensors have been utilized, this has been a roadblock to mass deployment due to cost. Our high-sensitivity uncooled LWIR camera provides a unique cost effective path to mass deployment and remote monitoring for gas detection and additional applications.

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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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### [Turn-key PIC \(SiPH\) Test Solutions](#)

**From: MPI Corp.**

The TS2000-IFE is part of MPI's PIC (SiPH) 200 and 300mm wafer test solutions family. Its scalability allows for testing any design at any wavelength, as well as combined electrical testing. Single-fiber or multichannel (FAU) testing in both R&D and production settings, along with its Measmatic and SENTIO® software suites and integrated calibration, enable fully automated and autonomous testing, supporting any third-party test instrumentation.

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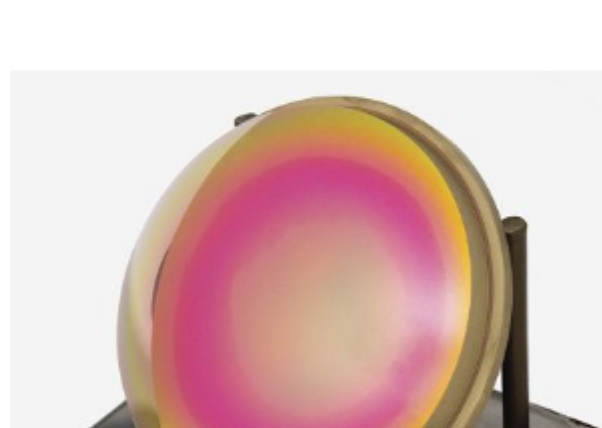
### [Optical Coatings](#)

**From: Optimax Systems Inc.**

Our customers choose us because we can reliably deliver the highest quality optics at expedited timeframes and with reduced risk, because we not only have one of the largest teams of optical engineers and state-of-the-art manufacturing facility and technologies at our disposal but because we own the entire manufacturing process. This includes an advanced cleanroom where we routinely generate coatings for some of the most demanding markets.

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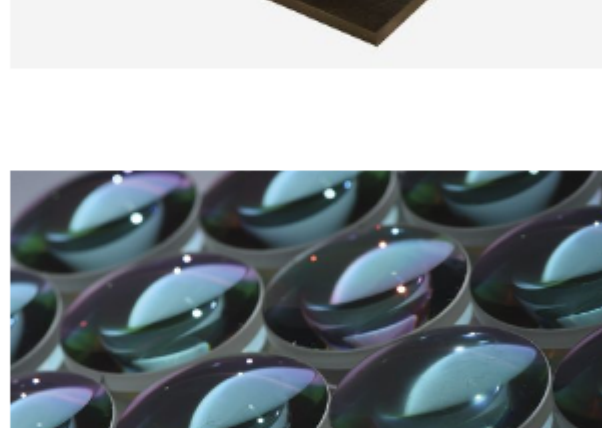
### [Advanced Optical Coatings](#)

**From: PFG Precision Optics**

PFG Precision Optics offers advanced optical coatings, both as a service and as part of complete custom optics fabrication. Coating offerings include AR, HR, and beamsplitting designs. With over 40 years of expertise, PFG provides coating solutions for the semiconductor, defense, research, and advanced metrology industries, ensuring precision and reliability at the highest levels. Prototype through production in the USA.

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### [Near Infrared 3D Sensing](#)

**From: Radiant Vision Systems, Test & Measurement**

A fast and accurate measurement solution, Radiant's Near-Infrared (NIR) Intensity Lens system is an integrated camera/lens that measures the angular distribution and radiant intensity of 850 or 940 nm\* near-infrared (NIR or near-IR) emitters. Manufacturers of 3D sensing technology can apply the NIR Intensity Lens solution for angular measurement of NIR LEDs, lasers, and structured light patterns produced by Diffractive Optical Elements.

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### [Scanner for Additive Manufacturing](#)

**From: SCANLAB GmbH**

The new excellISCAN 30 ARRAY is a particularly flexible and compact scan head that is precisely tailored to the requirements of the AM industry. The particularly narrow design makes this system ideal for use in multi-head systems. Several scanning systems can work together in a space-saving manner with a very large image field overlap, thus significantly reducing process times. A high precision and drift stability is ensured by digital encoders.

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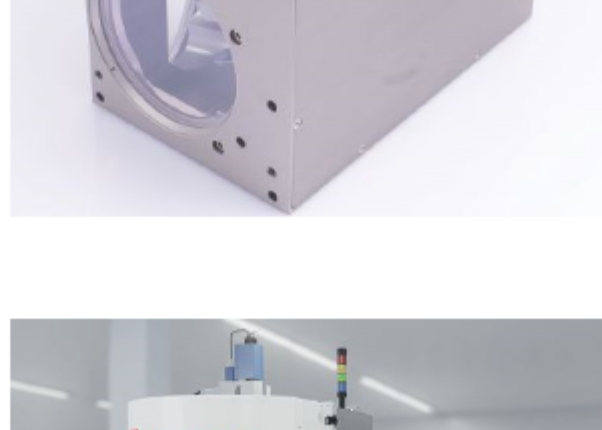
### [Ion Beam Patterning of Slanted SRGs](#)

**From: scia Systems GmbH**

Ion beam processes are perfect for etching slanted surface relief gratings (SRG) either directly into waveguides or into master stamps for NIL. scia Systems' RIBE process creates SRGs with constant slant angles, using reactive gases to control material selectivity and etch rate. Substrates are tilted to achieve the desired angle and structure design. By using reactive ion beam trimming, slant angle and etching depth across the substrate can vary.

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### [High-Performance Sub-ns Lasers](#)

**From: Teem Photonics**

Teem Photonics offers sub-ns microchip pulsed lasers in 1064, 532, 355, 266, and 213 nm. Trusted by OEMs and research labs for their long lifetime, compactness, and cost-effectiveness, our lasers excel in biomedical applications, sensing and ranging, semiconductor inspection, and more — driving innovation in diverse photonics fields.

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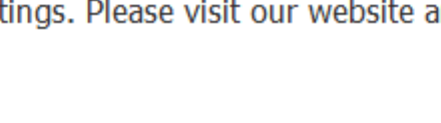
### [Thin-Film Services Since 1988](#)

**From: Thinfilms Inc.**

We can provide high quality and quick turnaround of thin-film requirements by customers. They include evaporated and sputtered coatings and circuit fabrication. Indium bumps for flip chip bonding is a new service. AR and enhanced reflection coatings in the visible and infra red. Coatings for soldering and brazing applications. Abrasion and wear resistant coatings. Please visit our website and send us an email for your particular requirements.

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