



Weekly News

OHARA



Industry Uncertainty Following the SPIE Summit

Conversations around tariffs, research funding, and government policies dominated discussion at the SPIE Photonics Industry Summit in Washington, D.C. TRUMPF and Siemens team up to advance manufacturing. Israel concludes test on a laser defense system. An ancient imaging technique is getting new life. And a new fire detection system can spot fires before they get out of hand. Sponsored by QED Technologies.

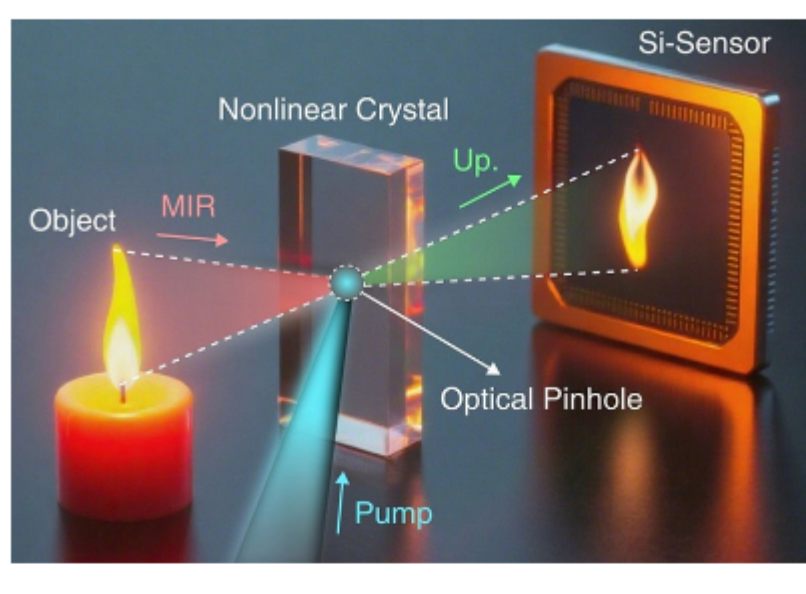
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Uncertainty Casts a Shadow over 2025 SPIE Photonics Industry Summit

Industry leaders, policymakers, and appointed officials convened last week for the annual Photonics Industry Summit held by SPIE, now in its fourth year. True to its previous iterations, the one-day event offered a glimpse into U.S. government priorities and initiatives as it relates to the photonics industry. More present this year was a pervasive cloud of anxiety about funding, tariffs, and geopolitics.



Pinhole Camera Offers High-Performance Imaging for MIR Wavelengths

An ancient, lens-free imaging technique provides the basis for a new mid-infrared (MIR) camera that can capture clear, wide-depth images over long distances, even under low light. The camera uses pinhole imaging, a method first described in the fourth century BC. The MIR pinhole camera, invented by a team at East China Normal University, overcomes some of the limitations of conventional lens-based systems, especially in

the areas of depth of field, field of view, and optical aberrations. [Read Article](#)



Rafael Completes Development on Iron Beam Laser for Israel

The R&D Unit within the Israel Ministry of Defense Directorate of Defense Research & Development, the Israeli Air Force, and Rafael Advanced Defense Systems have successfully completed a series of tests lasting several weeks, demonstrating the capabilities of the Iron Beam high-power laser system, with Elbit Systems serving as a project partner

manufacturing the laser source. [Read Article](#)



Featured Products & Services



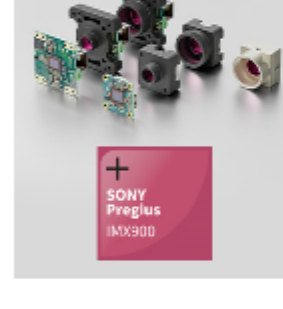
Precision Polished Substrates

Ohara Corporation

Ohara is a leading manufacturer of double-side polished substrates with extremely low surface roughness (RMS ~2 Angstroms) and flatness (~1 μm) values. Sizes 25- to 360-mm diameter, thin (down to 50 μm) and ultra-clean. Fused silica, optical glass, etc.

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Big Performance in a Small Package

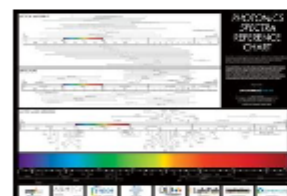
IDS Imaging Development Systems GmbH

IDS' compact USB3 and GigE industrial cameras now

feature the new Sony IMX900 sensor. The 3.2 MP global shutter sensor with exceptional near-infrared and red spectral range delivers razor-sharp images at high speeds and in challenging lighting. Perfect for tight spaces.

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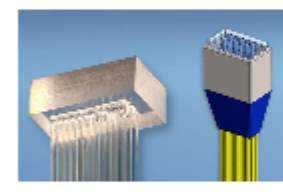
Photonics Spectra Reference Chart

Photonics Media

This full-color, 29.5 × 20.5-inch poster of the photonics spectrum displays the major commercial laser lines, detectors, and optical materials in the ultraviolet to the far-infrared and beyond. The convenient format makes it easy to quickly find the information you need.

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2D Fiber Matrix Array Assemblies

OZ Optics Limited

OZ Optics, a recognized leader in high-performance optical fiber components and subsystem module assemblies, launches 2D Fiber Arrays for high-density optical transmission. Building on 1D V-Groove experience, OZ offers PM, SM, MM Fiber configurations with custom fibers and wavelengths, with a range of termination options including MPO/MTP for cross-connection, AI and Data Management applications.

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More News

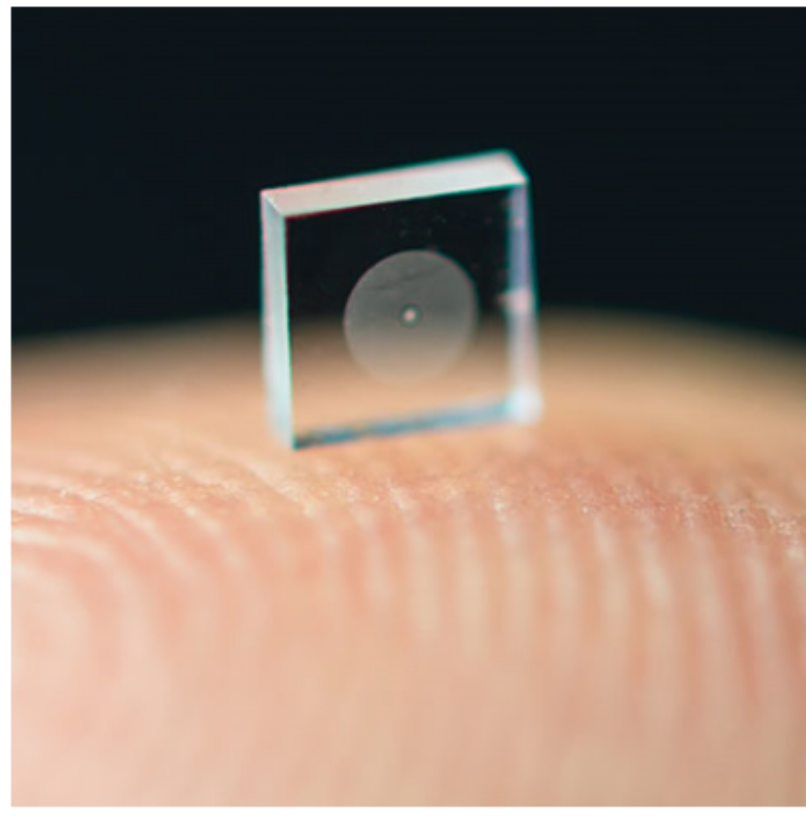
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[PicoQuant Invests in Microscopy Startup FluoBrick Solutions](#)

[Tescan Acquires FemtoInnovations, Launches Laser Technology Business Unit](#)

Latest Webinars



Metasurface Optics for Information Processing and Computing

Thu, Oct 9, 2025 1:00 PM - 2:00 PM EDT

Metasurface optics—ultrathin, nanostructured elements capable of precise light manipulation—are revolutionizing optical information processing. By co-designing optical hardware with computational algorithms, these systems enable complex operations like spatial convolutions directly in the optical domain. This hybrid analog-digital approach offers new possibilities for faster, more efficient imaging and vision systems, while posing exciting challenges at the intersection of photonics, machine learning, and device integration. Sponsored by Moxtek.

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