

sneak PREVIEW



SPIE Photonics West 2024



Photonics West 2024

The optics and photonics industry's preeminent annual conference and exhibition returns to San Francisco's Moscone Center during Jan. 27 to Feb. 1. Photonics West 2024 will feature more than 4500 technical presentations, and show organizers are expected to welcome 1200 exhibiting companies from around the world. Visitors will be able to explore a brand new Quantum West industry exhibition at the upcoming show, in addition to the recurring BIOS and photonics industry expos.

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sponsor

**Faster and more precise
imaging & analysis**

Microscope Automation • Precision Components • Nanopositioning Devices • OEM Solutions

Featured Exhibitors

Optimize Your Lens Production

From: TRIOPTICS GmbH

Is your objective lens production giving you a headache? TRIOPTICS helps you from testing to alignment and bonding — whether you want to implement new production steps, improve your yields, or (further) automate your testing and assembly. Talk to our experts for optical metrology at Booth #1441, to learn how we can help. Book your appointment now at info@trioptics-usa.com.

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Laser Measurement for Additive

From: MKS Ophir, Light & Measurement

For confined, humid environments, Ophir® Ariel is a robust, ultra-compact laser power meter for measuring high-power industrial lasers to 8 kW. No water/fan cooling needed. The award-winning Ophir BeamWatch® AM non-contact beam monitoring system provides simultaneous measurements of multiple profiles along the beam caustic, and real-time focal shifts. The Ophir® BeamPeek™ integrated beam analysis and power measurement system delivers beam profiling, focal spot analysis, power measurement in just 3 seconds. Visit us at Booth #927.

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Fast & Precise Imaging/Analysis

From: Prior Scientific Inc.

Whether developing new automation techniques and software or developing new imaging methods, you can quickly find that you need a microscope system tailored to your application and business needs. OpenStand was developed to offer a working platform to build OEM solutions and one-off customizations with excellent value for money and reduced development time. With OpenStand, you get a working system to start developing your application immediately! Visit us at Booth #3321.

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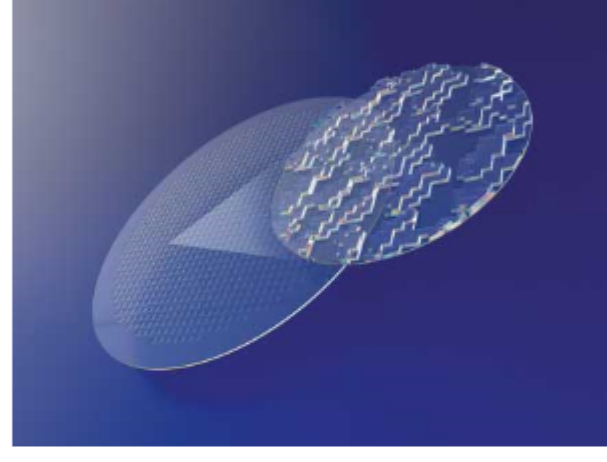
New Optical Grade Adhesives

From: Panacol-Elosol GmbH

Panacol's specially formulated adhesives for imprint replication of refractive lenses and diffractive optical elements (DOEs) are suitable for micro- and nanoimprint lithography, wafer level optics, and wafer bonding. These adhesives can be applied via puddle dispensing, spin-coating or jetting, and offer excellent adhesion to commonly used grades of glass wafers and upcoming new polymer substrates including optical grade PET or PC. Visit us at Booth #4342.

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Multilayered Co-fired Ceramics

From: AdTech Ceramics

AdTech Ceramics is a fully integrated US manufacturer of alumina and aluminum nitride multilayer co-fired products. Products include metal to ceramic assemblies, QFN, PGA, and BGA packages. AdTech Ceramics specializes in mission-critical ceramics for challenging environments. Our 100,000 sq. ft. facility has capacity to support prototyping to high-volume requirements. We engineer the finest quality ceramics, making them #STRONGDURABLEPRECISE. * ITAR registered * CUI trained * AS9100D * NADCAP Certified. Visit us at Booth #565.

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LEADING U.S. BASED MANUFACTURER OF CO-FIRED CERAMIC ELECTRONIC PACKAGES (CEP)

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- Extensive brazing capabilities
- Prototype to high volume capacities
- Design and Engineering support available for package realization
- Supplying aerospace, defense, medical and industrial markets

Photonics is the Key to the Future

From: Hamamatsu Corporation

Immerse yourself in future optical innovations with Hamamatsu at Photonics West 2024. As a leader in photonics and imaging technologies, our main Booth (#1127) will showcase our current advancements and products. We will have an exciting second location, Vision Suite (Room 111, North Hall), that will give visitors a glimpse of the light-based technologies that are shaping the future. Come unlock innovation and inspiration with us during the show.

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UNLOCK
FUTURE OPTICAL INNOVATIONS

Photonics West 2024
Main Floor | Booth 1127
Vision Suite | Room 111 North Hall

HAMAMATSU
PHOTON IS OUR BUSINESS

High Speed Polarization Imaging

From: Hinds Instruments Inc.

Increase your speed and enjoy quantified data while examining collagen samples, imaging myelin, viewing microscopic defects in diamond and analyzing stress in glass, film, polymers, and liquid crystal. Using the Exicor MicroImager measures retardance from 0 to 315 nm in a matter of seconds with a spatial resolution of up to 0.7 μm. Phase Unwrapping technology and our advanced 4 wavelength system allows retardance measurements up to 3500 nm for highly birefringence samples. Visit us at Booth #3330.

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Industrial Laser Monitoring System

From: DataRay Inc.

DataRay's Industrial Laser Monitoring System (ILMS) is specially designed for profiling focused, high-power industrial lasers. It combines reimaging/magnification optics, a polarization preserving beam sampler, and a DataRay beam profiler to measure small beam waists which would otherwise damage a traditional profiler. Magnification of the focused beam allows full pixel-by-pixel 2D measurements of beam spots as small as a few microns; software ensures results do not require post processing or corrections. Visit us at Booth #3452.

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A Pioneer in Sheet Lens

From: NTKJ (Nihon Tokushu Kogaku Jushi)

NTKJ, the Japan-based lens manufacturer, specializes in ultra-precision machining, heat compression molding, and large lens manufacturing. NTKJ's facility and 40-year-experience enable to manufacture Germanium Fresnel, MLA, DOE, Freeform lenses and mirrors, elliptical Fresnel and NTKJ's standard lenses. Precitech/AMETEK's FreeformTL1000 (NTKJ's special) with pico resolution of 5+2 axis enhances NTKJ to manufacture ultra-precision optics. NTKJ boosts innovative optics R&D to manufacture ultra-precision imaging, sensing, medical, and aerospace. Visit us at Booth #3389.

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Optikos ColliMeter™ 350 and 50

From: Optikos Corporation

The ColliMeter™ provides precise measurement for setup and qualification of collimators. The instrument employs an alignment telescope and scanning pentaprism technique for measuring wavefront slope across an aperture, essentially producing a classical ray fan plot. The ColliMeter™ 350 is placed into the horizontal mount directly onto the benchtop ColliMeter™ 50, which is available in both visible and LWIR types. Visit us at Booth #1057.

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