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PREVIEW

PHOTONICS
MEDIA photonics.com

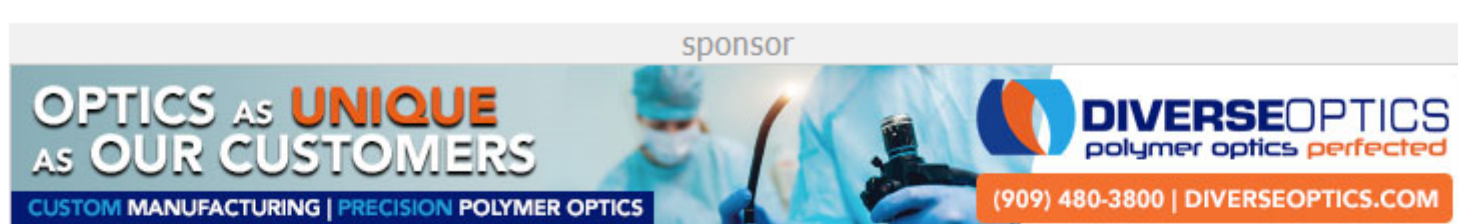
SPIE Photonics West 2022



SPIE and Photonics Media Announce Finalists for 2022 Prism Awards

Industry giants and emerging challengers will be honored at the Prism Awards in a ceremony at SPIE Photonics West. The annual event, now in its 14th year, recognizes industrial innovation in photonics in multiple categories. For the consideration of the 2022 Prism Awards, SPIE, the international society for optics and photonics, and media partner Photonics Media received 120 applications from 18 countries.

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Featured Exhibitors

Fast-Scan Mid-IR Laser

From: **DRS Daylight Solutions Inc.**

MIRcat-QT provides numerous capabilities critical to any molecular spectroscopy application, including: high-speed tuning, high spectral and spatial brightness, high spectral and spatial repeatability, and wide coverage of the important mid-IR spectral fingerprint region. MIRcat-QT is a true one-box, maintenance- and alignment-free, fully automated system, with a flexible, modular design.

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DRS DAYLIGHT SOLUTIONS



MIRcat-QT with ZeroPoint™

GaAsP PMT Module for Microscopy

From: **Hamamatsu Corporation**

Hamamatsu's H15460-40 PMT module features high sensitivity in the 300- to 740-nm region thanks to the PMT's GaAsP photocathode. In addition, the PMT's 14-mm-sq. effective area offers a wide field of view for two-photon or multiphoton microscopy. The module also contains an HVPS circuit and a high-speed amplifier that reduces noise between the detector and electronic devices, improving the overall sensitivity. Visit Hamamatsu at Photonics West 2022 (booth 1227).

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Custom Polymer Optics

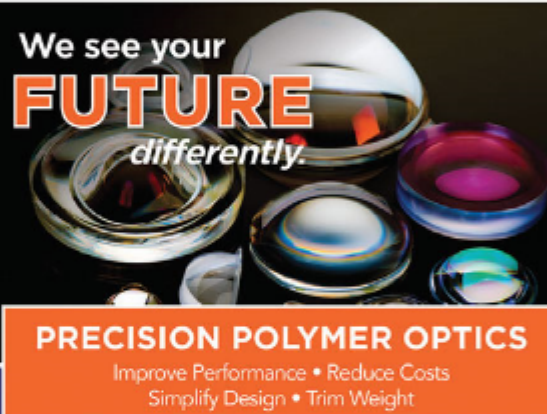
From: **Diverse Optics Inc.**

Diverse Optics is the leader in diamond turning and precision injection molding of custom polymer optics. For over 25 years, we've manufactured the most challenging components and assemblies for leading defense, medical, and commercial applications. Whether it's prototypes or production molded optics,...

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polymer optics perfected



New, Long Exposure CMOS Camera

From: **Teledyne Photometrics**

The new RETIGA E7 from Teledyne Photometrics is the ultimate in long exposure CMOS cameras, capable of greater than 20 minute exposure times. Other features of the new camera include ultralow dark current, a high resolution 7 MP CMOS with low noise, and industry-leading chamber sealing technology. RETIGA E7 also has a compact form factor to accommodate easy integration.

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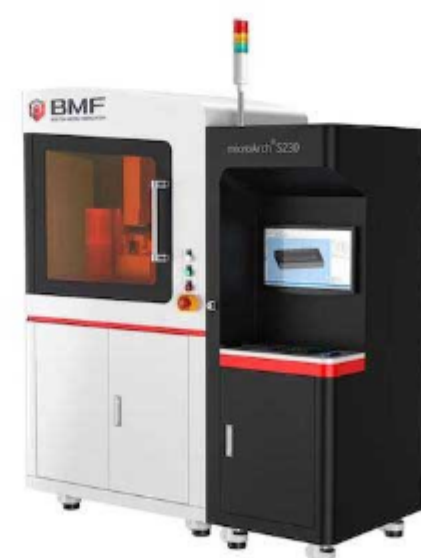
MicroArch S230

From: **Boston Micro Fabrication - BMF**

The microArch® S230 is the latest addition to our roster of micro-precision industrial 3D printers. This next-generation version of BMF's highest resolution system is designed for applications that require ultrahigh resolution prints (down to 2 µm) with accuracy, precision, and speed. Another key feature of the microArch S230 is that it supports ceramic 3D printing at the micro-level and can handle material viscosities up to 20,000 cP.

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Ultra-Precision Optics from Japan

From: **NTKJ (Nihon Tokushu Kogaku Jushi)**

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

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