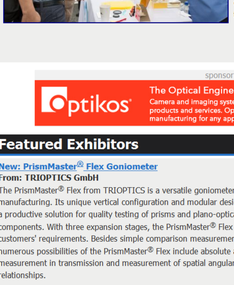
sneak PREVIEW

PHOTONICS MEDIA

SPIE Optics & Photonics 2019 – San Diego Convention Center

August 13-15, 2019
An advance look at the products, trends, and technologies being presented.



Quantum Science, Nanotechnology to Highlight SPIE Optics + Photonics 2019 in San Diego
SPIE Optics + Photonics 2019, scheduled for Aug. 11-15 at the San Diego Convention Center in San Diego, Calif., is North America's largest international and multidisciplinary optical science and technology meeting. Hosted by SPIE, the international society for optics and photonics, the conference will cover advancements in optical engineering and applications, nanotechnology, quantum science, organic photonics, and astronomical instrumentation. Over 4000 attendees will gather for the event, which offers three main program tracks, adding up to 70 total conferences and over 3000 presentations.

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Optikos
The Optical Engineering Experts®
Camera and imaging system test and measurement products and services. Optically-based design and manufacturing for any application.
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SPIE. OPTICS + PHOTONICS

Featured Exhibitors

New: PrismMaster® Flex Goniometer

From: TRIOPTICS GmbH

The PrismMaster® Flex from TRIOPTICS is a versatile goniometer for optics manufacturing. Its unique vertical configuration and modular design makes it a productive solution for quality testing of prisms and plano-optical components. With three expansion stages, the PrismMaster® Flex adapts to customers' requirements. Besides simple comparison measurements the numerous possibilities of the PrismMaster® Flex include absolute angle measurement in transmission and measurement of spatial angular relationships.

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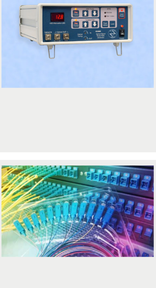
Meridian® Camera Testing Platform

From: Optikos Corporation

The Meridian® FLEX Platform is ideal for testing short focal length, small aperture cameras such as those used in automotive safety systems, making it possible to generate fields of virtual objects in a compact space. With optional Focusing Target Projector(s), Meridian FLEX provides a powerful measurement tool that's easily configured from just a few, to hundreds of object positions — with many measurements taking less than one second per field point.



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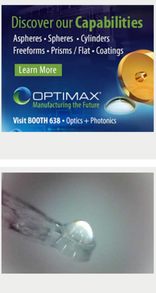
POLSNAP™ Compact Stokes Polarimeter

From: Hinds Instruments Inc.

Use Hinds Instruments' POLSNAP™ for quantitative polarization data for your free space or fiber coupled VIS and NIR light sources. POLSNAP™ offers the best sampling rate — 2000 samples per second and the best Free Space Aperture at 10 mm, no additional alignment tools needed. POLSNAP™ software includes real time reporting of Stokes Vector values and degree of polarization along with a visual Polarization Ellipse and Poincare Sphere.



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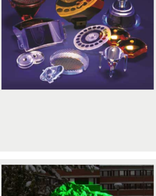
New Test Equipment & Fiber Optic Components

From: OZ Optics Limited

OZ Optics is introducing OSNR generators, modulator bias controllers, super-fast EDFAs, handheld optical spectrometers, broadband entangled photon sources, single/multi-channel benchtop digital variable attenuators, high-speed polarization controllers/scramblers, delay lines, fiber length meters, electrically controlled/manual variable tunable filters, low-cost smart detector heads, polarization extinction ratio meters, 630-2000 nm backreflection meters, directional optical taps/power monitors, hermetically sealed fiber assemblies with glass/metal solder, components for OCT applications, and polarization maintaining components.



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RSoft Photonic Design Software

From: Synopsys Inc., Optical Solutions Group

Synopsys' RSoft photonic device tools provide the industry's largest portfolio of simulators for passive and active devices in optical communications and optoelectronics. We can solve the most complex photonic design challenges. The latest RSoft innovations advance the design of photonic components used in AR/VR systems and photonic integrated circuits (PICs). Visit www.synopsys.com/optical-solutions/rsoft.html to learn more about our tools and request a free trial.

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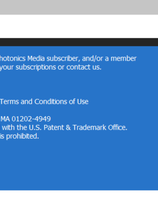
Discover our Capabilities

From: Optimax Systems Inc.

Optimax is America's largest high precision optics manufacturer. On the cutting edge of future applications, Optimax implements an engineered solutions approach to help our customers achieve breakthroughs in the aerospace, defense, semiconductor, research, and medical industries. Optimax has a wide range of capabilities to support your programs, including aspheres, cylinders, freeforms, prisms, spheres, and advanced e-beam, APS, IAD, and IBS coatings.



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Excellent 250 µm Diameter Lens

From: Fresnel Technologies Inc.

Fresnel Technologies designs and manufactures orders large and small, from millions of parts to a single prototype. Our diamond-turning machines allow micro- and nanomachining of metal and polymer optics. We produce silicone lenses, microlens arrays, and AR/VR lenses. From conventional plastic lenses to freeform optics, from Fresnel lenses used in the visible spectrum to passive IR optics for the Internet of Things, we make it all.

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Precision Polymer Optics

From: GS Plastic Optics

Engineered for your success

- Design for manufacturing
- Diamond turning
- Production injection molding
- Thin-film coatings on polymers
- Optical assemblies
- Complete metrology

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IR Filters for Gas Detection

From: Spectrogon US Inc.

Spectrogon manufactures infrared filters and windows with high transmission, high rejection outside the passband, while maintaining excellent coating uniformity — for thermal imaging and gas detection applications such as cryogenically cooled IR detectors and for uncooled microbolometers. Our filters and windows range in dimension from Ø6.0 to Ø200.0 mm with state-of-the-art dicing capabilities. Custom designs are always welcome.

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1919-R High Performance Optical Power Meter

From: Newport Corporation

The Newport 1919-R High Performance Optical Power Meter is an advanced power/energy meter capable of measuring from pW to thousands of Watts in an ergonomically designed compact body. It features on-board processing for advanced math and statistics functions, a color screen, and a comprehensive menu structure allowing an easy access to key functions.

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