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Tuesday, July 27, 2021

sneak PREVIEW

PHOTONICS MEDIA photonics.com

SPIE Optics + Photonics 2021

SPIE. OPTICS + PHOTONICS

SPIE Optics + Photonics Returns to San Diego with Comprehensive Program

A live exhibition will feature more than 100 participating companies; more than 2000 papers, posters, and presentations; and interactive networking sessions at SPIE Optics + Photonics, taking place Aug. 1-5 in San Diego. The five-day, in-person show will explore the latest advancements in optical engineering and applications, nanotechnology, quantum science, organic photonics, and astronomical instrumentation.

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sponsor

.: Featured Exhibitors

Transfer Calibrations Made Simple

From: Optronic Laboratories LLC

The OL 459 is a 5-channel LED-based source capable of providing a continuous spectrum (380-1000 nm), and is ideal for colorimeter/camera calibration, diagnostic medical imaging, and technical/industrial photography. The OL 459 may be tuned to produce custom application-specific spectral distributions. Paired with our OL 770 Workstation, transfer calibrations can be performed to determine the spectral output. Together, these two instruments provide a complete in-house calibration solution.

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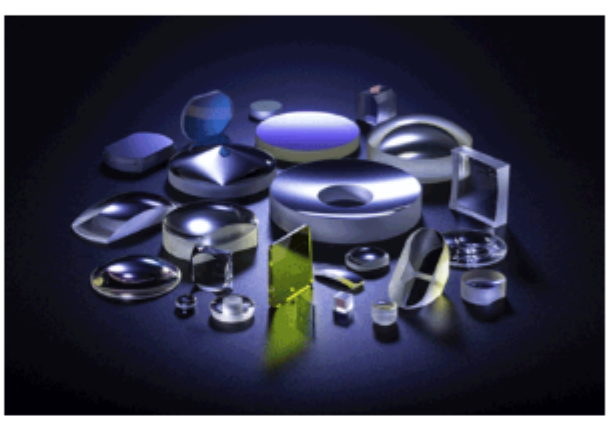
Quick-Turn Optical Prototypes

From: LaCroix Precision Optics



Our staff is excited to attend the first in-person event in over a year. As industry events have transitioned to virtual, LaCroix Precision Optics has continued to perfect our craft and reduce lead times for prototype optics. LaCroix now offers prototypes in 3-6 weeks or faster when necessary. We will acknowledge and provide the quote in 24-72 hours for when time is of the essence.

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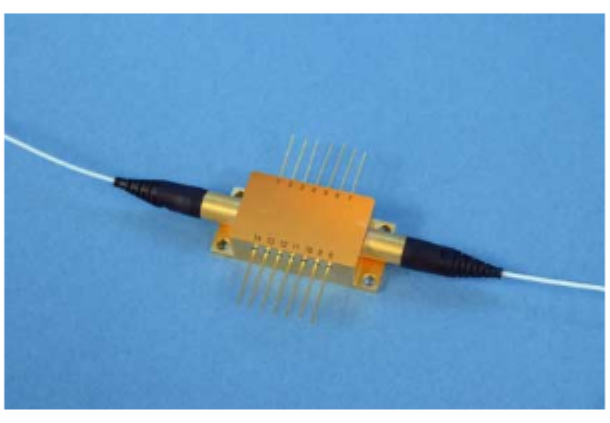
Polarization Controller-Scrambler

From: OZ Optics Limited



High-Speed Electro-Optic Polarization Controller (EOPC) is based on a novel, low-loss EO technology. It provides an efficient means to manipulate the state of polarization. The device is offered with 2 to 4 channels. The built-in crystal response time <10 µs with external voltage applied. The controller's response speed is highly suitable for polarization controlling and scrambling to average polarization effects or for making PDL or PMD measurements.

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Meridian Focusing Target Projector

From: Optikos Corporation

The Meridian® FTP is a compact target projector that can help measure the performance of small aperture cameras in both the Meridian® FLEX and Starfield systems, or serve as a standalone object generator in your custom test setup. Use FTPs as building blocks for camera testing at multiple conjugates, placing them where they are needed in the field of view.

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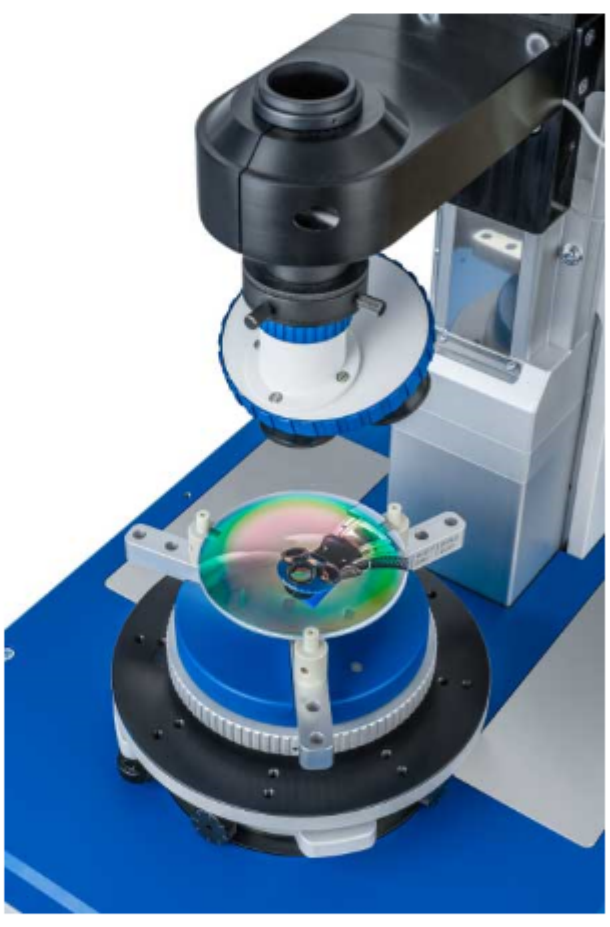
Highly-Precise IR Lens Centration

From: TRIOPTICS GmbH



TRIOPTICS' new OptiCentric® 101 IR for testing and assembly of infrared lenses in VIS, MWIR, and LWIR reaches an unrivaled measurement accuracy of <0.25 µm in the IR and <0.1 µm for VIS. The unique IR-compatible air gap and center thickness measurement completes the optomechanical characterization.

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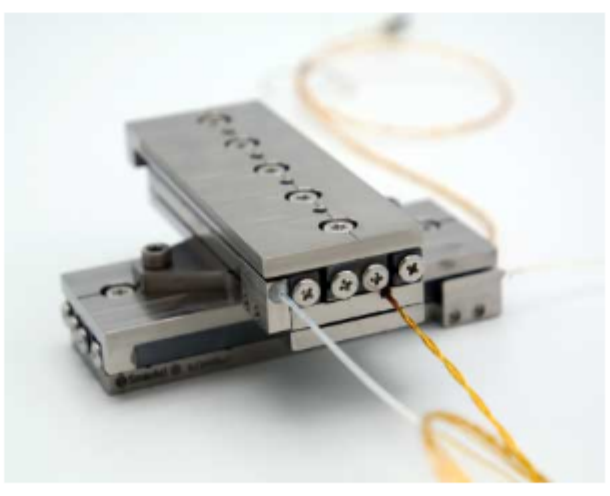
Closed-Loop Cryogenic Stages

From: SmarAct GmbH



For cryogenic applications where highest precision and thermal stability are essential for successful operation, SmarAct offers cryogenic positioning stages featuring unmatched closed-loop positioning performance. Unidirectional repeatabilities of 5 nm over a 1 mm travel range and a resolution below 0.5 nm make SmarAct's closed-loop cryogenic stages ideally suited, for example, in the field of fundamental research including 2D materials science or for cryogenic applications such as low-temperature quantum technologies.

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