



sneak PREVIEW



SPIE Optifab – Rochester, NY

October 16-19

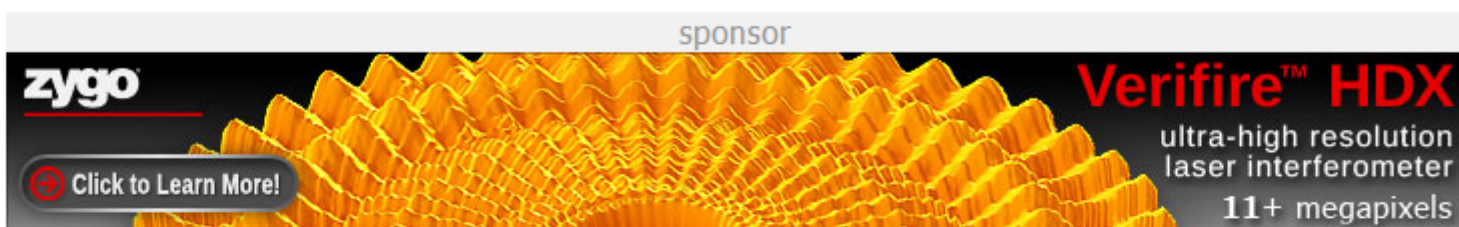
An advanced look at the products, trends and technologies being presented.



Optifab 2017 Connects Industry and Academia

Organized jointly by SPIE and the American Precision Optics Manufacturers Association, Optifab 2017 will be held Oct. 16-19 at the Rochester Riverside Convention Center in Rochester, N.Y. The largest optical manufacturing conference and exhibition held in North America has a technical focus on classical and advanced optical manufacturing technologies, and brings together industry and academia, and features plenary speakers and presentations. A variety of courses are also offered, focusing on topics from metrology to coating and cleaning techniques. Conference sessions and tracks offer additional training and learning opportunities, with presentations by expert engineers and researchers. A job fair will also be offered, and a large exhibition will allow companies from around the world to display and demonstrate products and solutions.

[Watch Video](#)



Featured Exhibitors

[Compact Solution for Alignment Turning - ATS 100](#)

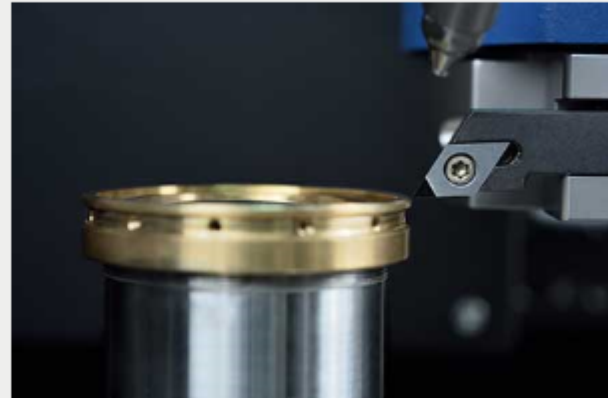
From: **TRIOPTICS GmbH**

With the new ATS 100 TRIOPTICS introduces a compact, precise and stable alignment turning station that processes lenses with a diameter of up to 100 mm and a weight of up to 3 kg. The user-friendly software covers all measurement and manufacturing with one interface and allows intuitive handling.

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[Ultra-High Resolution Interferometer](#)

From: **Zygo Corporation**

ZYGO's Verifire™ HDX laser interferometer system offers best-in-class spatial resolution and optical imaging, enabling advanced surface metrology of optical components and systems, including enhanced characterization and analysis of mid-spatial frequency. The new optical design delivers pixel-limited performance, superior ITF, and fast acquisition. Key features include a high-speed 3.4k x 3.4k (11.6 megapixel) sensor with a frame rate of 96 Hz at full resolution, and ZYGO's leading QPSI™ vibration-robust on-axis acquisition technology.

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[Turnkey Quality Control from Hinds](#)

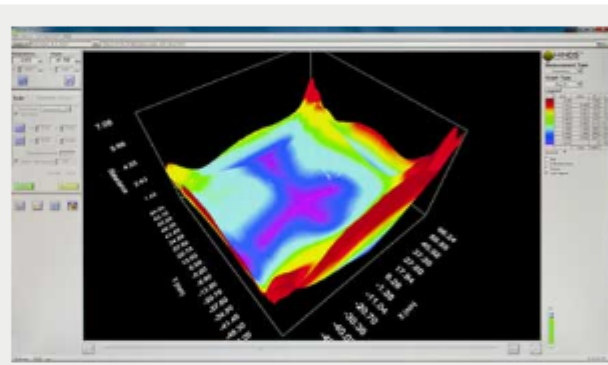
From: **Hinds Instruments Inc.**

The polarization experts at Hinds Instruments offer numerous turnkey systems using polarization analytics to hold materials to high quality standards. Whether you are concerned with the polarization output of material, the inherent stress you induce in manufacturing or need a superior understanding of the optical properties of your material, Hinds Instruments can help you attack your problem with quantitative data. Visit us at Optifab to find a system today!

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[Optics for High Power](#)

From: **Optimax Systems Inc.**

Optimax has developed superior fabrication and coating capabilities for advanced optics designed for use in systems for - directed energy, high-power lasers, and deep ultraviolet. We've developed highly engineered processes strictly controlled for fabrication, cleaning, coating, and packaging resulting in: low absorption, high-laser damage threshold, and long-lifetime.

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[Asphere and Freeform Metrology](#)

From: **Mahr Inc.**

The MarForm MFU 200 is the ideal measurement tool for contact and noncontact 3D measurement of optical surfaces.

- Fully automated alignment of lens
- Export of differential profile for closed loop manufacturing
- Interferometric point sensor for noncontact scanning of optics
- Tactile probe for measurement of unfinished optics or nonoptical surfaces
- Measures a wide range of optics including aspheric, diffractive and freeform lenses

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[Circular Chamfer Grinder](#)

From: **SAGA, A Division of A & M Tool & Design**

The Saga Circular Chamfer Grinder is designed to automatically grind chamfers onto both edges of round optic blanks quickly and accurately. The machine requires minimal set-up time and only a few parts to change for different sizes. Diamond grinding wheels are quickly and easily replaced. This design offers a safe, accurate and economic alternative to hand beveling.

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[State-of-the-Art Resolution and Accuracy](#)

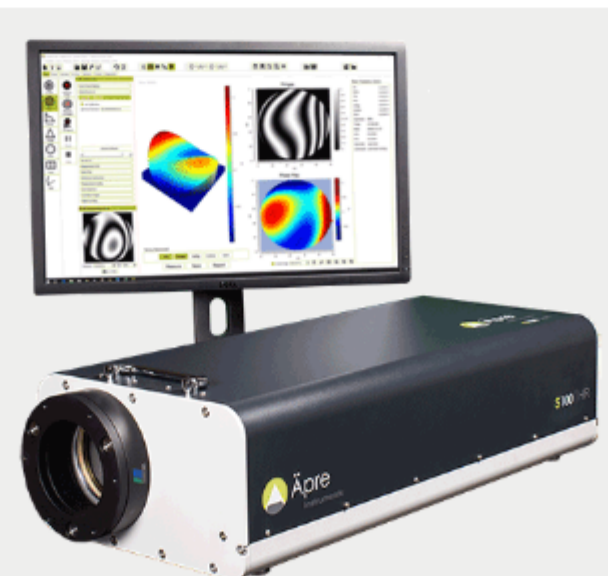
From: **Apre Instruments**

S-Series interferometers: Peak μm and mid-spatial frequency performance from a unique combination: 100 μm diffraction limited imaging with $<0.1\%$ distortion, and $\lambda/20$ accuracy @ 650 fringes/aperture! 50 to 600-mm apertures, plus the accessories you need for manufacturing, alignment and testing. Ship better products, on time, with peace of mind. Stop by our booth to discuss how NEW Spectrally Controlled Interferometry isolates the surface of interest when measuring thin parallel plates and lenses.

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[M-Wave 339 IR Interferometer](#)

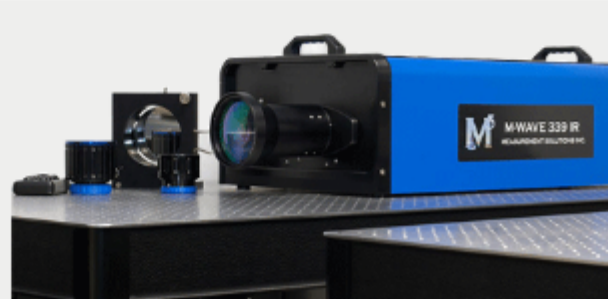
From: **M3 Measurement Solutions Inc.**

The M-Wave 339 is a state-of-the-art Infrared Interferometer operating at 3.39 micrometers. It is the ideal instrument for testing mid-wave infrared imaging components/systems and optical material homogeneity.

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