

LASER World of PHOTONICS Munich 2023



LASER World of PHOTONICS Turns 50

LASER World of PHOTONICS (LASER Munich), the leading international trade fair for photonics components, systems, and applications, returns to Germany between June 27 and 30 for the industry event's 50th anniversary. Over 1200 companies are registered to exhibit at Messe Munich during this year's event — well on the way to hosting a showing that is comparable to the 2022 edition, which hosted 1300 exhibitors, including 15,000 attendees from more than 70 countries.

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sponsor

:: Featured Exhibitors

Enable What's Next

From: DRS Daylight Solutions Inc.

Discover enabling QCL-IR Lasers and Systems for the most challenging mid-infrared applications. Visit us at Booth #A1.100.

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Optimize Your Lens Production

From: TRIOPTICS GmbH

Does your objective lens production give you a headache? Learn how we can help and talk to our experts at booth #A3-405. TRIOPTICS products set the standard for optical metrology, thus book an appointment with us (sales@trioptics.com) to discuss how to optimize the production process for your objective lenses. Learn how we will assist and guide you through the implementation of this process.

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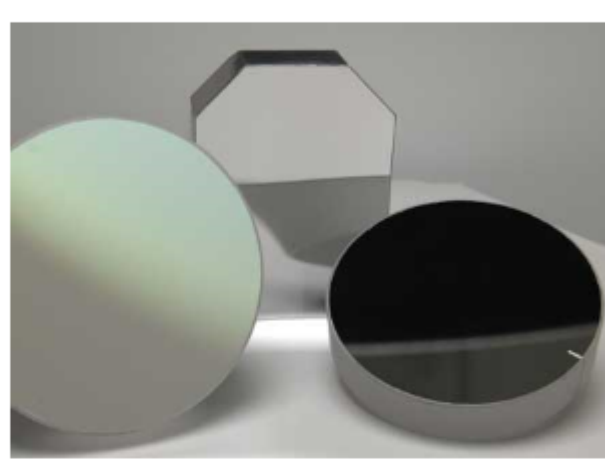
Aspheric Imaging Mirrors

From: Spectrum Scientific Inc. (SSI)

Spectrum Scientific's optical replication process offers high fidelity, high specification precision aspheric mirrors at a lower cost compared to traditional volume manufacturing and allows the incorporation of mounting or alignment features onto the mirror itself, improving stability and reducing assembly and alignment costs. We can also accommodate different material choices and optical surface designs including OAPs and freeform mirrors producing typical surface figures of better than $\lambda/10$. Visit us at Booth #B2.550/5.

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Quantum Entangled Sources

From: OZ Optics Limited

OZ-Optics introduces a new line of waveguide-based quantum polarization entangled photon sources that give the highest counts and coincidence rates available, distributed in either a narrow or broad spectral band. The design capitalizes on optical confinement within periodically poled nonlinear waveguides, to improve spontaneous parametric down-conversion efficiency. The source also takes advantage of a Sagnac all-in-fiber interferometer to establish maximum stability, bright and low-noise at room temperature, to enable quantum photonic applications. Visit us at Booth #B2.345.

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Polarization Analyzer

From: Hinds Instruments Inc.

Use Hinds Instruments' POLSNAP™ for quantitative polarization analysis of your free space or fiber coupled VIS and NIR light sources. PolSnap offers the best sampling rate — 2000 samples/second and the best Free Space Aperture at 10 mm, no additional alignment tools needed! Software includes reporting of Stokes Vector values and DOP. See the PolSnap at LASER Munich in the Acal BFI booth Hall A2 Booth 100.

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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 #A2.103.

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Optikos Contract Manufacturing

From: Optikos Corporation

Optikos doesn't just deliver top-tier optical assemblies, we're also a one-stop shop for product and engineering design services, contract manufacturing, and world-class lens and camera testing. We expanded our ISO 13485 facility to 55,000 sq. ft. to accommodate growing design and manufacturing clients, and can bring your product seamlessly into production. Plus, you own the design. Learn more at Booth A3.311 at Laser World of Photonics, or email sales@optikos.com.

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Leybold Optics IBF and IBS Systems

From: Buhler Alzenau GmbH, Business Area Leybold Optics

Buhler Leybold Optics offers the ideal combination of systems for manufacture of high energy laser optics. Our Ion beam figuring tools provide noncontact deterministic surface finishing to $\lambda/200$, while our ion beam sputtering machines use sputter up geometry to enable best in class coatings for highest laser damage threshold and lowest losses. Both systems are available in a range of sizes and configurations to match your application. Visit us at Booth #B1.416.

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Choose the duo

Ion Beam Figuring

LEYBOLD OPTICS IBF

Ion Beam Sputtering

LEYBOLD OPTICS IBS

- Fully automated with high reproducibility
- Highest flexibility of target materials
- Capable of polishing almost any shape
- Lowest defect densities and scatter values
- Surface qualities of $\lambda/200$ and greater
- Coating on curved and large substrates

Innovations for a better world.

Low Defect Coatings

From: Umicore Thin Film Products AG

We as Umicore Thin Film Products AG are specialists for development, manufacturing, and supply of high-end optical evaporation material, sputter targets, and accessories for microelectronic, optoelectronic, optical thin-film applications, and wear protection. Our customers benefit from our more than seventy years of experience in development, manufacturing, and customization of coating materials. Visit us at Booth #B1.137.

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Wide Beam Imager

From: MKS Ophir, Light & Measurement

There are MKS times when beams are too large or too divergent to profile with conventional methods. The Ophir Wide Beam Imager is a compact, calibrated optical system for measuring size and power distribution of large and divergent beams of VCSELs, LEDs, parallel beams in the NIR or SWIR range. Images any beam shape (round, line, square, doughnut) too large for a camera sensor, with angle of incidence to 70 degrees. Visit our Booth #A3.219.

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Where Versatility Meets Precision

From: Avantes BV

Avantes is thrilled to introduce a brand-new product at the LASER World of Photonics! This groundbreaking device, housed in a redesigned enclosure, will establish unprecedented standards for excellence thanks to its patent-pending technology. We look forward to welcoming you at Booth #A3.372, where you can explore our cutting-edge solutions and witness firsthand the perfect fusion of versatility and precision. Discover how Avantes will empower your application!

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