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sneak PREVIEW

PHOTONICS MEDIA photonics.com

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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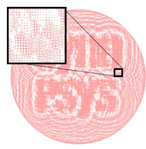
.: Featured Exhibitors

Metalens Design Made Easier

From: Synopsys Inc., Optical Solutions Group

The RSoft™ Photonic Device Tools provide the most comprehensive set of optical solvers to design photonic devices and systems. The latest release expands the platform's capabilities for automated metalens design as well as multiphysics simulations for optoelectronic devices and illumination systems. Visit us at Booth #B2.307.



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LASEROPTIK Exhibits in Munich

From: LASEROPTIK GmbH

LASEROPTIK's high LIDT laser optics and coatings from VUV to IR are as individual as fingerprints. We employ more than 40 coating machines with 7 different coating methods. These include e-beam evaporation, ion assisted deposition (IAD), magnetron sputtering, ion beam sputtering (IBS) and atomic layer deposition (ALD). We are looking forward to seeing you at Booth #B1.117 in Munich.

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Plane Grating Spectrometer NIR 2.5

From: Carl Zeiss Spectroscopy GmbH

Introducing the new PGS NIR 2.5 spectrometer from ZEISS – the ultimate solution for high-quality NIR spectroscopy. Covering the broad range of 1200 - 2450 nm with a spectral dispersion of 5 nm/pixel, it features improved InGaAs sensor technology enabling higher data rates and improved linearity. Tailored ZEISS gratings with optimized NIR sensitivity ensure best signal quality for your application. Contact us to learn more about the full potential of our PGS. Visit us at Booth #A3.304.

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TracePro: Optical Design Software

From: Lambda Research Corporation

TracePro is a robust optical and illumination design software that enables the analysis, simulation, and optimization of light propagation in opto-mechanical systems. With comprehensive toolsets, it can model, render, and analyze the behavior of light in an optical system, helping streamline the design process and improving the precision of the final product. Its integration with CAD platforms enhances its utility for optical engineers and designers. Visit us at Booth #B1.503.

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Ultra-Thin Precision Shims/Spacers

From: Valley Design Corp., Headquarters

Valley Design manufactures ultrathin precision shims, spacers, submounts, rings, washers, and blocks in a wide variety of materials including Fused Silica, Glass, Sapphire, and Ceramics. Capabilities range from blocks as small as 250 µm square and as thin as 25 µm, and may be sequentially spaced to less than 1/4 micron, flat to 1/10 wave with lapped or polished mirror finishes. Various edge profiles, steps, and cavities may be produced, with or without cavities or holes. Visit us at Booth #B1.544.

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APD Gain of 40: The C30733BQC-01

From: Excelitas Technologies Corp.

Experience Excelitas Technologies' next-gen C30733BQC-01 InGaAs Avalanche Photodiode with a revolutionary APD gain of 40 at LASER World of Photonics 2023. This cutting-edge sensor features a unique combination of high gain, fast recovery time, and low noise performance. It's a game changer for high-end telecommunication test equipment applications, optical communication and distributed fiber sensing systems, and eye-safe LIDAR and laser range finding devices, especially in Smart Cities and Smart Factories. Visit us at Booth #B1.103.

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Coded-Aperture Raman Spectrometers

From: Thorlabs Inc.

Thorlabs' new RASP series of Portable Coded-Aperture Raman Spectrometers for detecting low-intensity Raman signals in either the fingerprint (500 – 1800 cm^{-1}) or high-frequency (2600 – 3700 cm^{-1}) region. These systems have a large sampling area (Ø1.5 mm), offer room temperature operation, and provide a high signal-to-noise ratio (700:1). They are ideal for identification of unknown substances, analysis of chemical composition, quality control, or periodic monitoring of chemical processes at production sites. Visit us at Booth #B2.403.

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Customized Fiber Optics

From: WEINERT Fiber Optics GmbH

We offer a unique product portfolio at every stage of the value chain: from fused silica, preforms, and drawn fibers to fiber optic cables and complete fiber optic systems with optical components developed in-house. Along this value chain, we can independently customize the products with our in-house know-how and technologies, leading to optimal results for your specific application. Visit us at Booth #A2.311.

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Pulse Controller

From: LaserPoint srl

The Pulse Controller is a new system specifically designed for laser process optimization through Pulse-to-Pulse Energy measurements of Fast and Ultrafast lasers. It can detect every missing or low energy pulse, out of a specified energy range, providing an alarm signal for each event out of specs. The system is based on the Blink High Speed thermal sensor and the High Speed Meter (HSM) with a dedicated Pulse Controller software. Visit us at Booth #A3.319.

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Cobolt Jive™ 561 nm CW Laser – 1 W

From: HUBNER Photonics GmbH

HÜBNER Photonics, manufacturer of high-performance lasers, showcases the release of a higher power model of the Cobolt Jive 561 nm on the 05-01 Series platform. Now with up to 1 W CW output power, the Cobolt Jive is perfectly suited to demanding applications in fluorescence microscopy, especially for super resolution microscopy such as DNA-PAINT, as well as interferometric-based techniques such as particle flow analysis. Learn more at B2:214!

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See What's New From Hamamatsu Photonics

From: Hamamatsu Photonics Deutschland GmbH

Visit Hamamatsu in Hall A3, Booth 305 at the LASER World of PHOTONICS to discover our latest products and technologies. New products include image sensors, spectrometers, InAsSb photovoltaic detectors to Streak Cameras, and we will give a sneak preview of our future technologies. You can also be the first, in Europe, to see our new multichannel spectrometer, the OPAL-Luxe with unprecedented ultrahigh dynamic range.

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