



SPIE Photonics West 2020 – The Moscone Center - San Francisco

February 4-6, 2020
An advance look at the products, trends, and technologies being presented.





Photonics West 2020
Photonics West is set to take place Feb. 1-6 and boasts at least one Nobel laureate, more than 5000 presentations, 1350 companies, 10 new courses, and plenty of special events. The exhibition, according to SPIE public relations manager Daneet Steffens, is on track to be even larger than last year's, which had more than 1300 companies from around the world.

A large crowd gathers as the 2019 exhibition prepares to open. Courtesy of SPIE.

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sponsor




Powerful Femtosecond Fiber Laser
Ideal for Multiphoton Microscopy
BIOS #8209
Photonics West #3209

Featured Exhibitors


OptiCentric® 101: Higher Precision
From: TRIOPTICS GmbH
TRIOPTICS' OptiCentric® 3D 101 with its new optimized software is the only system worldwide that allows the combined measurement of lens centering, air gap, and center thickness. Using the real distances for center thickness and air gaps now in a patented procedure instead of nominal values for the MultiLens calculation of internal centering errors significantly improves the accuracy of the obtained results. Photonics West 2020 - booth 1549

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High-Performance IR Detectors
From: Boston Electronics Corporation
Boston Electronics offers fast, high-performance infrared detectors from the leader, Vigo System. New products include >1 GHz sensors, linear arrays, and affordable chip-on-board modules. Detectors (MCT or III-V) are room-temperature or TE-cooled and have nanosecond time constants. Detectors are available with preamplifiers, controllers, and software providing you with turnkey capability for your most important measurements. We also provide OEM modules specially designed to your volume application and packaging requirements.



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FemtoFiber Ultra 920
From: TOPTICA Photonics Inc.
The FemtoFiber Ultra 920 is a new member of TOPTICA's third generation of ultrafast fiber lasers. The system delivers laser pulses of less than 100 fs in duration at a central wavelength of 920 nm. The system provides more than 1 W average output power. It is a compact femtosecond laser system with turnkey operation and cost-effective design.



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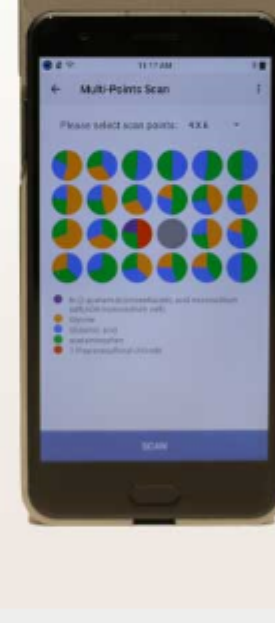
HyperFine Spectrometer
From: LightMachinery Inc.
FAST, no moving parts (single-shot laser spectrum analysis). Sub-picometer resolution. Fiber optic input. Quick data acquisition and export. Simple USB interface LabView Drivers.



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MEMs Raman XI² for Area Sampling
From: CloudMinds Technology Inc.
Equipped with a MEMs scanning mirror, the smart MEMs Raman XI² enables fast automated operation, and can scan an area of heterogenous samples in subseconds. Unlike any other handheld Raman device, XI² serves as a unique and powerful analytical instrument for quality control during the manufacturing of pharmaceuticals, such as inspecting API in tablet/pill forms ensuring uniformity within normal doses at the manufacturing line, benefiting patient safety and treatment efficacy.



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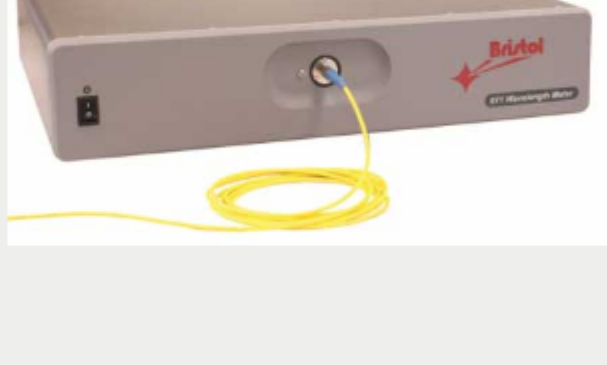
ScanMaster Controller - SyncMaster
From: Cambridge Technology
ScanMaster Controller's new feature, SyncMaster, is an advanced laser scan control method that synchronizes the motion between a Galvanometer scanning head and a XY motion stage, enabling unmatched accuracy and speed.



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Laser Wavelength Meters
From: Bristol Instruments Inc.
The wavelength meters provided by Bristol Instruments are used by scientists and engineers who need to know the exact wavelength of their CW or pulsed lasers. These systems use proven interferometer-based technology to measure wavelength to an accuracy as high as ± 0.0001 nm at the fastest sustained measurement rate of 1 kHz. Operation is available from 375 nm to 12 µm.



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Polisher for All Optical Devices
From: KrellTech
Maximum flexibility for optical surface processing is now available with NOVA™. This system supports a variety of polishing applications from connectors to waveguides, and bare fibers to custom components. Wireless tablet control with a familiar Android interface provides the programming freedom required for R&D, with simplified step-by-step operation modes for manufacturing. Integrated video modules are available for real-time process and surface inspection.



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Diamond-Like Carbon Coating
From: North American Coating Laboratories
NACL, an industry leader in vacuum and dip coating services is happy to announce our newest offering; severe damage DLC coatings for all IR optical materials including chalcogenides. This coating solution strengthens our robust service offerings which include a full line of filter, conductive, anti-reflective, hydrophobic, and highly reflective coatings for every optical material. Contact us now!



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BlueGrip™ Workholding Adhesive
From: Blue Photon Technology & Workholding Systems LLC
BlueGrip workholding adhesive is designed specifically and exclusively for Blue Photon's workholding system. The gel-like adhesive fills the gap between the surface of the gripper and the surface of the workpiece for outstanding holding power, accommodating for irregular shapes and textured surfaces. Joint thickness can range from .020 to .120 in. The average tensile holding power is 200 to 605 lbs. Easy workpiece removal with a hot water soak, spray, or steam.



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