

sneak PREVIEW



SPIE Photonics West – San Francisco, CA

January 31 - February 2

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



Fun Awaits in San Francisco (Video)

Whether you're a history buff, a nature lover, or a technology enthusiast, the diverse culture of San Francisco is the place to be! This city by the bay is home to some of the world's most popular attractions — from its numerous museums to the infamous Alcatraz Island.

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Ultrafast Fiber Lasers
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Terahertz Systems
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Single-Mode Diode Lasers

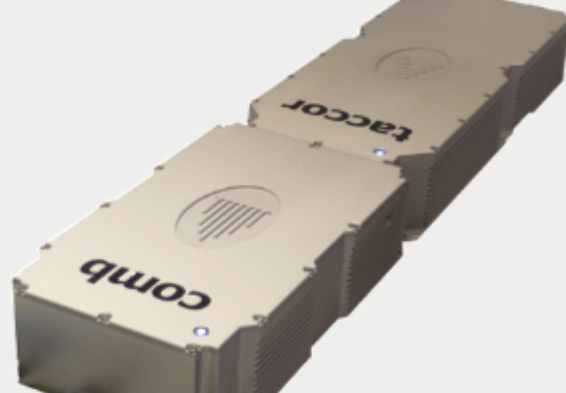
Visit us at Photonics West
Booth #923

Featured Exhibitors

The complete solution: taccor comb

From: Laser Quantum Ltd.

A complete frequency comb solution is now available from Laser Quantum: the **taccor comb**, an extension to the existing successful range of 1 GHz **taccor** lasers. The **comb** offers high repetition rate enabling generation of significantly more supercontinuum average power and leading to a significantly more enhanced SNR for heterodyne beat measurements, or direct frequency comb spectroscopy applications. An exceptionally powerful tool for metrology due to its high mode spacing.



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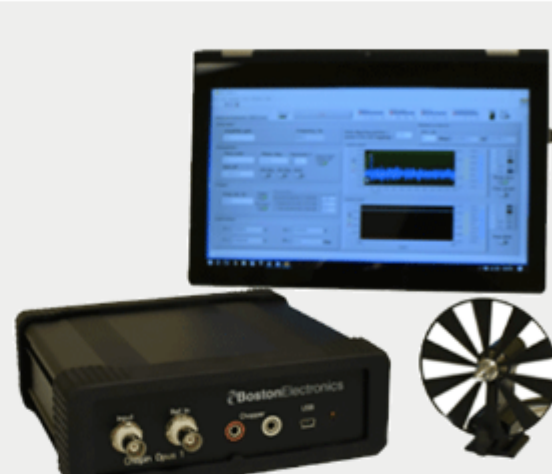
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Chop-In Digital Lock-In Amp/Chopper

From: Boston Electronics Corporation

The Chop-In Opus 1™ is an affordable, digital, dual-phase lock-in amplifier and phase-locked chopper combination. The lock-in amplifier and chopper system is available for the price of a chopper alone. The Chop-In provides digital dual-phase lock-in amplifier functionality up to 5 kHz. It is USB powered; no additional power is needed. Included is a compact chopper assembly with 3-inch diameter disk, and control software.



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TOPTICA's Frequency Comb

From: TOPTICA Photonics Inc.

Frequency combs can act as precise reference for optical frequencies, as well as for seeding phase-stable laser amplifiers. TOPTICA offers complete solutions including the frequency comb, wavelength conversion, beat detection and stabilization units for cw-lasers. The fiber-based comb provides the convenience of fiber lasers with a new level of robustness and ultra-low noise performance. This laser creates a completely new frequency comb experience.



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Innovative Laser Solutions

From: PicoQuant GmbH

PicoQuant offers turnkey, versatile picosecond pulsed laser solutions such as the super-continuum laser Solea (from 480 to 900 nm) or the VisIR/VisUV platform which can provide up to three wavelengths (from 266 to 1530 nm) in one compact stand-alone unit. The lasers are ideally suited for time-resolved spectroscopy or microscopy applications, LIDAR, and semiconductor inspection.



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Piezo Nanopositioning Systems

From: Mad City Labs Inc.

Mad City Labs designs & manufactures a complete product line of high precision piezo nanopositioners, micropositioners, and microscopes suitable for inspection, metrology, super resolution microscopy, and astronomy applications. Our nanopositioners include proprietary PicoQ® position sensors yielding picometer scale precision and low noise performance. Featured products: Nano-MET series, Nano-MTA beam steering, and Nano-F series lens nanopositioners.



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ILT2400 - Field Ready, Lab Friendly!

From: International Light Technologies

The ILT2400 Portable, Hand-Held Light Meter & Optometer, introduced in 2016, has added these new features and applications for 2017:

- "Simple" Flash Mode
- Smart Detectors
- Sound ("Gelger Counter" App) Mode
- Temperature Sensing on the Detector
- Spectrophotometer Mode

See ALL of these new ILT2400 Radiometer features and applications at Photonics West in early 2017 (Booth #2700) or Contact ILT Today!



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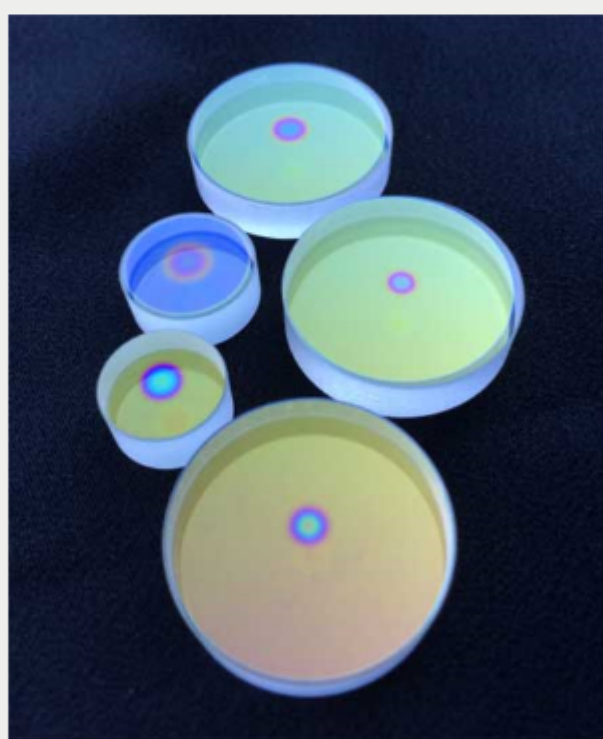
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Gaussian Reflectivity Mirrors

From: BMV Optical Technologies, Inc.

BMV Optical Technologies is a leading manufacturer of Gaussian Reflectivity Mirrors (GRMs). Our GRM's are manufactured completely in-house from a wide range of substrate materials such as BK7, Fused Silica, ZnSe and others at diameters from 5 to 50mm. Our Gaussian and Super-Gaussian coating geometries can be deposited for the Visible to the Far Infrared spectrum range and are available in custom, rotationally symmetrical variations; both standard and inverted.



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DLP® Solutions for Industrial Use

From: ViALUX Messtechnik + Bildverarbeitung GmbH

Power your product innovation with ViALUX' leading-edge subsystems for Texas Instruments DLP® technology! The V-Modules support advanced DLP chipsets with high flexibility in pixel level control, high resolution and outstanding frame rates. As a TI authorized DLP Design House Partner, ViALUX supports customer's applications worldwide, from proof of concept up to full production. DLP® is a registered trademark of Texas Instruments.



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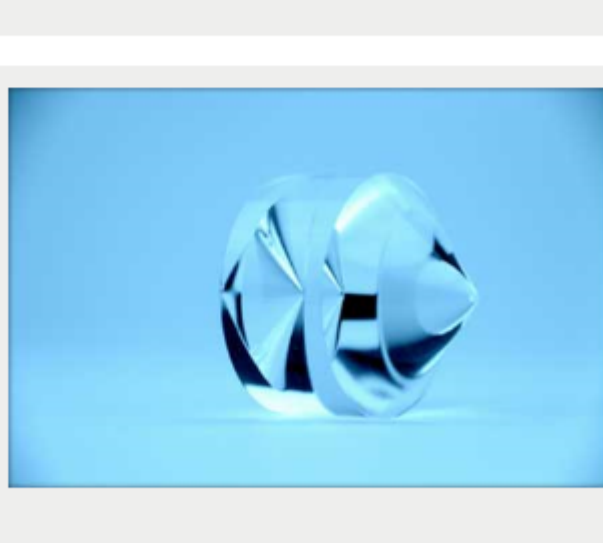
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Optics for High Power

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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Precision Optics

From: CASTECH INC.

CASTECH manufactures a wide range of high precision spherical, cylindrical and flat optical components for OEM customers from Industries of Laser, Telecom, Biomedical instruments and analytical instruments. There are 900 skilled workers and experienced engineers working in our 40,000 square meter modern facility integrating different process technologies like CNC polishing and IBS, IAD, EB coatings. Combined with our advanced metrology instruments, we are able to deliver the optimum solution for your applications.



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We will also be on the BIOS exhibit floor in booth 8737. And as always, you can visit us online at www.photonics.com.

Questions: info@photonics.com

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