

This Week In PHOTONICS

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A better excimer laser. The IPEX-700.

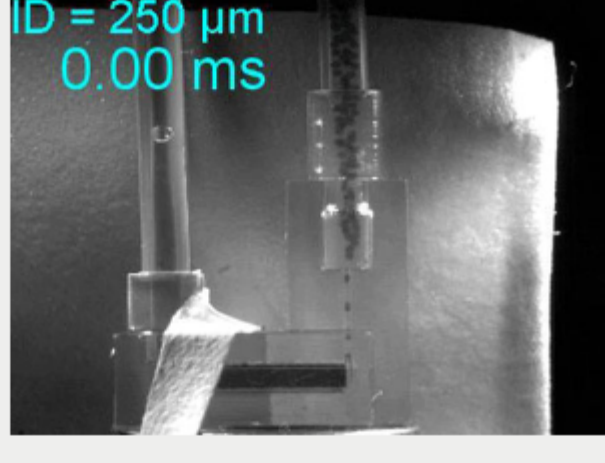
www.lightmachinery.com



Top Stories

Microfluidics Technique Mass-Produces Platinum Nanoparticles

A technique for producing nanoparticles that relies on microfluidics — a technology that manipulates tiny droplets of fluid in narrow channels — shows promise for transforming expensive, batch-by-batch nanoparticle production into large-scale automated assembly.

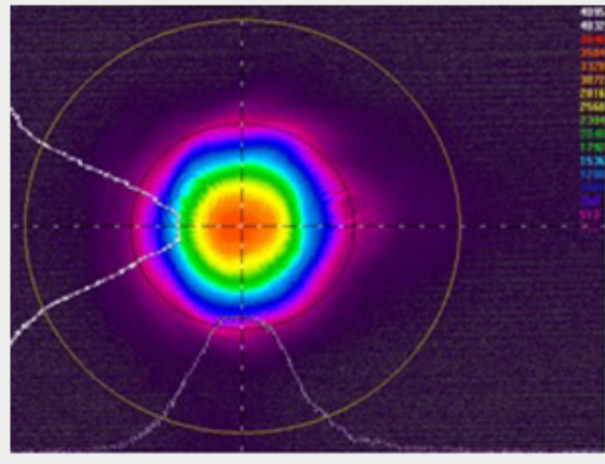


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Acal BFI, Quantum Light Sign Distribution Deal

Advanced electronic supplier Acal BFI Ltd. has signed a pan-European distribution agreement with laser developer Quantum Light Instruments Ltd., covering most of western Europe. The agreement enables Acal BFI to bring a range of Quantum Light Instruments' compact, air-cooled DPSS Q-switched lasers to market, operating at low repetition rates and high energy.

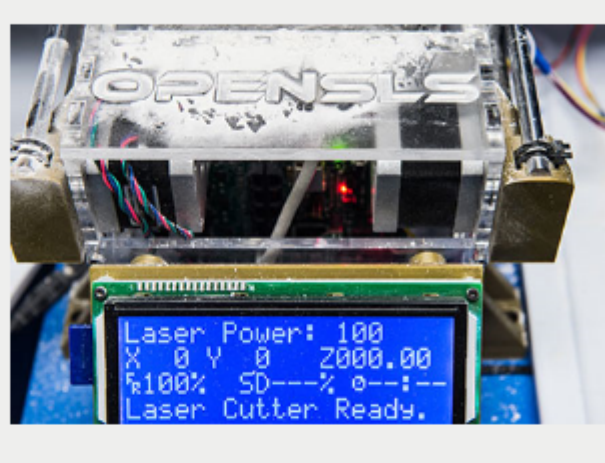


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Open-Source System 3D Prints from Custom Powders

An open-source laser sintering printer has been used to print intricate 3D objects from powdered plastics and biomaterials. The system costs a fraction of equivalent commercial systems and could give researchers a DIY technique for working with their own specialized materials.



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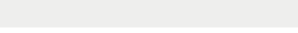
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Biolase Opens Dental Laser Training Center

Dental laser developer Biolase Inc. has announced the Biolase Learning Center, designed to provide laser training for dental professionals. The 4500-sf center is collocated with Biolase's headquarters, and comprises a main lecture hall, hands-on lab, meeting rooms, a business center and a café.



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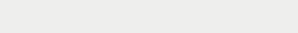


Pharma Test Acquires J&M Analytic, Expands Spectroscopy Capabilities

J&M Analytik AG, a German manufacturer and pioneer of fiber-optic diode-array spectrometer systems for laboratory and process applications, has announced its acquisition by Pharma Test Apparatebau AG, of Hainburg, Germany, a producer of testing equipment for the pharmaceutical industry.



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Featured Video

OSA Centennial - Eric Betzig, Howard Hughes Medical Institute

The Optical Society members share their reflections on 100 years of optics innovation, what inspired their interest in the field and how OSA has impacted their career.



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Light Matters

Gravitational Waves

On this month's show, we look at the recent discovery of gravitational waves that prove Einstein's theory of general relativity, and how this may change science and astronomy as we know it. We share a wrap-up of Photonics West 2016, and we dive into a new optogenetics technique that has been altered for an immunotherapeutic approach to handling cancerous tumor cells.



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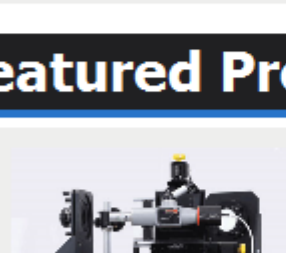
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Featured Products

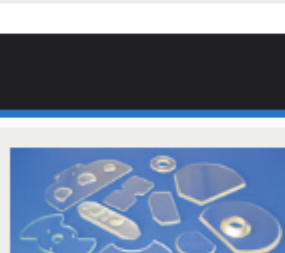


Lens Measurement System

Optikos Corporation

OpTest Systems provide advanced metrology for accurate and efficient lens measurements in applications ranging from space imaging, aerospace, defense, security and medical, to photography and cinematography.

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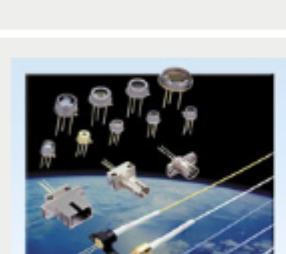


Optical Polishing & Fabrication

Angstrom Precision Optics

APO is a leading global manufacturer of high quality precision optical and photonic components. With over 30 years of optics experience, we have the expertise to support customers in a range of fields.

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InGaAs Photodiodes

Fermionics Opto-Technology

Fermionics manufactures InGaAs photodiodes for data, voice, and video communications, large-area photodiodes for instrumentation and sensing applications, optical receivers to 2 Gb/s, and linear and digital arrays.

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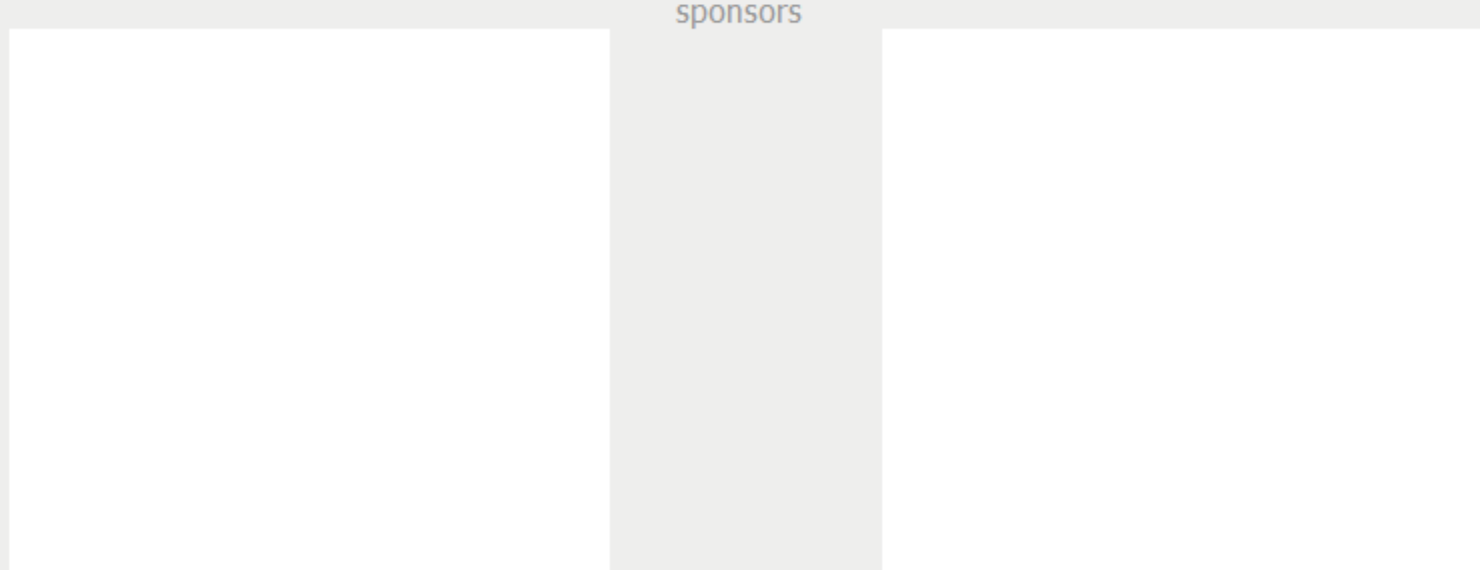
ICE Cube™ Polarizing Beamsplitter

MOXTEK, Inc.

Moxtek's wire-grid polarizing beamsplitter (PBS) ICE Cubes™ and plates provide high transmission, high contrast, and high temperature durability.

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Industry Events

OFC 2016

March 20-24, Anaheim, Calif.

OFC is the largest global conference and exhibition for optical communications and networking professionals. For over 40 years, The Optical Fiber Communication Conference and Exhibition (OFC) has drawn attendees from all corners of the globe to meet and greet, teach and learn, make connections and move business forward.



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