



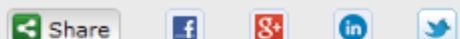
Thursday, November 19, 2015

UV Light Powers Nanosubmersible Motors



Single-molecule machines that move through fluids with UV light-powered motors could someday carry cargo for medical and other applications.

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Macom to Acquire Optical Subassemblies Firm FiBest for \$60M

The acquisition will expand Macom's 100-, 200- and 400-Gb/s optical networking capabilities, as well as its data centers market.

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Alphaeon to Acquire Eye-Surgery Laser Developer Lensar for \$59M

"Lensar has advanced the self-pay category of precision refractive surgery both for ophthalmologists as well as their patients," said Robert E. Grant, CEO of Alphaeon. "The addition of Lensar to our lifestyle product portfolio will provide ophthalmologists with another alternative to expand their offering to patients."

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Featured Products



IR Polarization Filter

Innovation Photonics
Innovation Photonics LLC has announced the RF-4 IR polarization rotator.

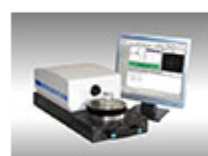
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Slim Line XYZ Nanopositioner

Mad City Labs
The Nano-LPS series of XYZ closed loop nanopositioners is ideal for applications where high stability and sub-nanometer precision in motion is required.

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Automatic Goniometer

Moeller-Wedel Optical
Moeller-Wedel offers a simple to use automatic goniometer: GONIOMAT A5 for precision angle measurement of optical prisms and angle gauge blocks.

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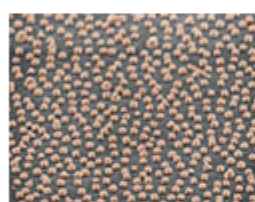
High-Energy Laser Mirrors

Perkins Precision Developments
Perkins Precision Developments (PPD) manufactures high-energy laser mirrors and precision optics for both prototype and volume OEM requirements.

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Plasmonic Absorbers Capture Specific Wavelengths



An experimental fabrication technique has created perfect absorbers for small bands of the electromagnetic spectrum from visible light through the near-infrared. The technique could allow advanced thermal imaging systems to be produced more quickly and inexpensively and with higher sensitivity.

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RetroSense Raises \$6M to Develop Optogenetics for Vision Restoration

The company's RST-001 compound employs the photosensitive gene channelrhodopsin-2 to create new photosensors in retinal cells, and restore vision in retinal degenerative conditions such as retinitis and macular degeneration.

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Trumpf Expands with Chicago Technology Center

The Trumpf Technology Center will focus on integrating automation, material and information flow with machine tools. One of the facility's goals is to achieve one-piece-flow sheet metal production capabilities.

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Lightwave Logic Testing Organic Waveguides

Lightwave Logic Inc. is banking on the potential of organic polymers to compete with metallic semiconductors in optoelectronics applications.

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Optofluidic Systems Detect Ebola, Flu Viruses



The devices hold promise as portable instruments for immediate diagnosis and monitoring of infectious diseases at the point of care.

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'Golden Window' Eyed for Deeper Tissue Imaging

Longer wavelengths in the near-infrared range may offer a "golden window" for noninvasive but deep imaging of brain and breast tissue, City College of New York researchers have proposed.

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Industry Events



American Society for Cell Biology Annual Meeting - Dec. 12-16 · San Diego
The 2015 ASCB meeting theme is about making connections at different scales, from the intracellular level to the tissue level, and from the organism level all the way up to the macrocosmic level. This integration will help us ask the right questions and find answers to challenging problems in medicine, living systems and ecosystems.
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Description of Aven's Mighty Cam USB Cameras and capabilities provided.

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