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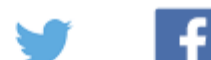
[www.lightmachinery.com](http://www.lightmachinery.com)



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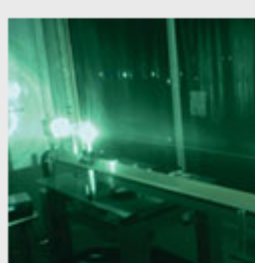
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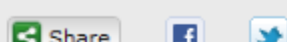
Thursday, May 21, 2015

## IR Laser Propels 1-Pound Mirror in Spaceflight Simulation



A private laboratory says it has validated a design for an IR laser propulsion system that could be used to keep satellites in position in low-earth orbit.

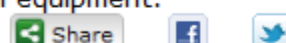
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## Nanotronics Imaging Acquires Franklin MCI

Nanotronics Imaging LLC has acquired Franklin Mechanical & Control Inc. (Franklin MCI) of Hollister, Calif., a manufacturer of advanced mechanical and optical equipment.

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## UbiQD Secures Licenses from MIT, Los Alamos

Quantum dots (QDs) manufacturer UbiQD LLC has secured two intellectual property licenses: one exclusive license from Massachusetts Institute of Technology (MIT) and one nonexclusive license from Los Alamos National Security LLC.

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## Featured Products



### Taper Manufacturing Station

3SAE Technologies  
The production-ready Taper Manufacturing Station (TMS) with optional cleaving package is designed for use in the manufacturing of optical fiber tapers, bundles and couplers.

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### Mini and Micro Lens Elements

Argyle International  
Argyle has added a new series of miniature and micro lens elements to its diverse line of custom optics. Materials in use are all glasses, fused silica, and silicon. Lenses are custom built to your specifications.

[More info >>](#)



### ULC Offers Same Day Shipping

United Lens Company  
At United Lens we've maintained our standing in the optical industry for nearly 100 years because we listen to our customers. Over the years the demand for certain stock items in our inventory has increased.

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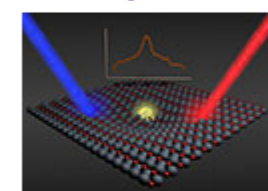
### Machine Vision Lenses

FOCtek Photonics  
FOCtek provides customers with optical lens assemblies and custom-made lenses. We have developed a series of F1.2 Starlight Lenses which are used for matching 2/3", 1", 4/3" CCD and CMOS in intelligent transportation systems.

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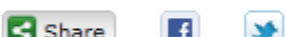
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## Pseudoparticles Find Crucial Role in Energy Conversion



Pseudoparticles could help make more efficient the conversion of light into storable energy, ushering in the potential for a decisive sustainable energy supply.

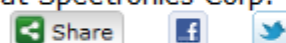
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## Hammond Named Global Customer Service Manager at Spectronics

Debra Hammond has been named global customer service manager at Spectronics Corp.

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## Smith Named Strategic Account Manager for CVI Laser Optics, Advanced Thin Films

Nick Smith has been named strategic account manager for the Laser Optics Group at IDEX Corp.

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This week on *Light Matters*:

**What if you could tell before the ash starts to billow when a volcano is about to erupt? Lasers may offer a way.**

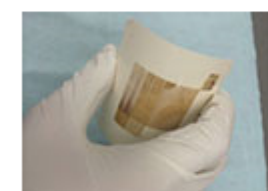
## Lasers Probe Causes of Volcanic Eruptions

A better understanding of volcanoes' inner workings based on fluorescence imaging could help save lives.

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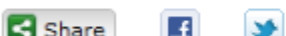


## Excimer Lasers Print Silicon on Paper



For years, scientists have sought an alternative to silicon that possesses the same electrical properties while offering "superior printability." A replacement may not be necessary, though, as laser-printed silicon could be the answer.

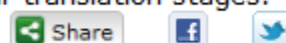
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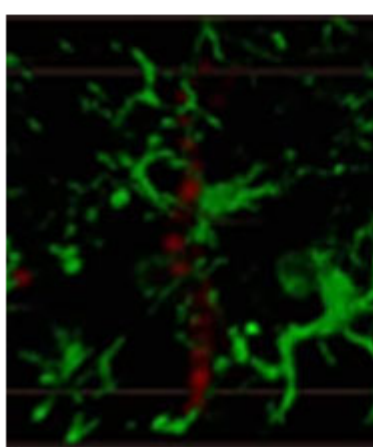
## Siskiyou Patents Adjustment Mechanism for Optical Mounts

Siskiyou Corp. has been awarded a U.S. Patent for an actuating mechanism that it says improves the performance of top-adjusted optical mounts and linear translation stages.

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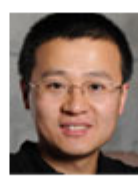
## WEBINAR



### In Vivo Deep Tissue Imaging with Optical Wavefront Control

Wed, May 27, 2015 1:00 PM - 2:00 PM EDT

FREE WEBINAR



Dr. Meng Cui

Optical microscopy has become an indispensable tool in modern biology. The high spatial and temporal resolution and the rich molecular information offered by optical imaging have led to new discoveries in a variety of research fields.

A major constraint of optical imaging is the limited imaging depth in turbid biological tissue. This talk will explore two new techniques for addressing this problem, both utilizing wavefront control to achieve unprecedented performance.

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## Industry Events

### Sensors Expo & Conference 2015 - June 9-11, 2015 · Long Beach Convention Center, Long Beach, Calif.



Photonics Media will chair an Optical Sensing & Detection education track on Thursday, June 11. The track will feature speakers on a range of optical sensing technologies including MEMS-based acoustic and optical sensors, fiber optic position sensors, 3-D optical deformation and strain measurement and more.

[More info >>](#)

## FEATURED VIDEO



Rick Sebastian  
Product Manager

### Newport Corporation - OpticsCage+

OpticsCage+™ utilizes an easy-to-use snap in design to expedite the creation of optical systems. Most cage systems only use a closed-hole captive design for adapting optic carriers to the 4-rod cage structure. This restriction requires a nearly complete teardown of a cage system to simply add or remove a component. The open-slot design of OpticsCage+ allows optical elements to be inserted directly into an assembled cage without the need for disassembly.

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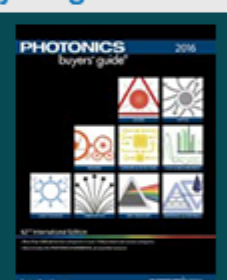
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- [Metal Mirrors](#)



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