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# PHOTONICS.com

Thursday, July 30, 2015



**Photonics was on the national stage this week as Vice President Joe Biden announced a new \$610 million manufacturing institute in New York.**

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PHOTONICS MEDIA

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FEATURED VIDEO

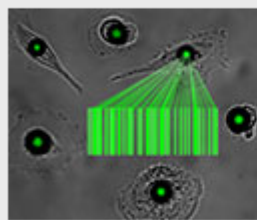


**TOM LAUX**  
VICE PRESIDENT AT AGC 3D

**Advanced Scientific Concepts – 3D Flash LIDAR Camera**

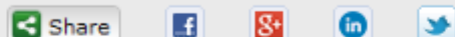
Tom Laux of Advanced Scientific Concepts talks about their new Peregrine Camera.

## Microlasers Track Cells from the Inside



The approach could enable new forms of cell tracking, intracellular sensing and adaptive imaging, according to researchers at the University of St. Andrews. Cells implanted with microlasers remain viable for several weeks.

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## Trumpf Sales, Orders Climb 5%

"We're especially pleased that we've been able to compensate in both indicators for the discontinuation of our medical technology division in the first year after the sale, and in a generally difficult market environment as well," said President Nicola Leibinger-Kammüller.

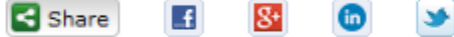
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## IDS, Stemmer Imaging to End Machine Vision Partnership

"The focus of the two companies is moving in different directions," said Stemmer Imaging CEO Christof Zollitsch.

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## Featured Products



### MTF Measurement Systems

Image Science Ltd. Image Science provides custom MTF systems for the Visible, SWIR, MWIR, LWIR and UV wavebands. Our systems combine high accuracy with fast measurement speed.

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### UltraHD 4K Video Camera

Toshiba Imaging Systems Toshiba Imaging's new IK-4K (3840 x 2160) UltraHD 4K camera delivers world-class 59.94Hz performance from the smallest package available at only 1.28" x 1.51" x 1.61".

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### FiberCube Laser Marking System

LaserStar Technologies The FiberCube® laser marking and laser engraving system is a compact, turnkey marking, engraving and cutting system that offers the benefits of a non-contact, permanent laser mark, laser engraving, or cut onto almost any type of material.

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## Integrated Photonics Center to Spur US Competitiveness



From creating jobs locally to boosting America's technological competitiveness abroad, a photonics institute to be established in New York state already aspires to some lofty goals.

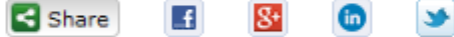
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## New 'Smart Window' Materials Allow Faster Switching

Nanocrystal-based windows that selectively block different wavelengths of sunlight could help keep homes cool but still well lit — or warm but dark.

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## Selective Laser Micromelting Creates Medical Implants

Researchers at Laser Zentrum Hannover EV used the additive process to coat electrodes for pacemakers with a platinum-iridium alloy — the first time platinum has been successfully processed at the microscale.

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## Intevac Receives Deposition System Order from Display Manufacturer

Intevac Inc. says a new, Tier 1 display customer has ordered its physical vapor deposition system, used to provide enhanced scratch protection on mobile device displays, camera lenses and glass covers.

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## Light Polarization Reveals Chiral Side of Silicon



Polarized light can bring out an unexpected electrical property in silicon, potentially unlocking new possibilities for computing.

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## Saki America Relocates from San Jose to Fremont

The new office will serve as a sales, training, service and applications support center for the company's 2D and 3D automated optical, solder paste and x-ray inspection systems.

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## Industry Events

**China International Optoelectronic Exposition 2015** - Aug. 31-Sept. 3, 2015 · Shenzhen, China



CIOE 2015 comprises four concurrent specialized expositions focusing on optical communications and sensors, lasers and IR applications, precision optics and LEDs. More than 3200 optoelectronics enterprises will exhibit products, and an extensive technical conference is offered.

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