

sponsor



LightMachinery
Excellence in Lasers and Optics

A better excimer laser. The IPEX-700.

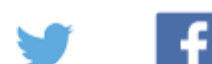
www.lightmachinery.com



PHOTONICS.com

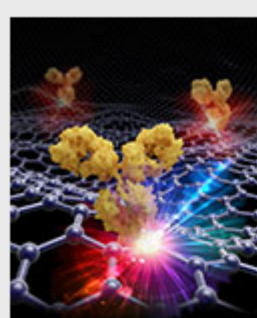
PHOTONICS MEDIA

THE PULSE OF THE INDUSTRY



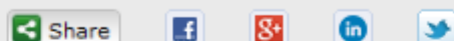
Thursday, July 16, 2015

Graphene Confines Light for Nanomolecular Sensing



A plasmonic sensor made of graphene can conduct complex analyses of the smallest molecules without altering them, overcoming a limitation of traditional IR absorption spectroscopy.

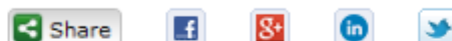
[Read Article >>](#)



Automotive Vision Firm VisLab Acquired by Ambarella for \$30M

The acquisition moves Ambarella, a developer of video compression and image processing systems, into the driverless car market.

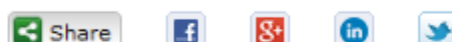
[Read Article >>](#)



Plessey Wins £1.3M Grant for LED Development

The U.K. funding is meant to accelerate high-volume manufacturing of LEDs created with GaN-on-silicon technology.

[Read Article >>](#)



Featured Products



Refractive Index

M3 Measurement Solutions
M3 provides refractive index testing at wavelengths from 350nm to 14µm. We offer a minimum deviation prism configuration for high accuracy or a round diameter wedge configuration.

[More info >>](#)



Green Laser Sight

LaserMax
LaserMax Inc.'s Micro-2-G rail-mounted laser sighting system is now offered in green and is equipped with advanced features and programming.

[More info >>](#)



PhaseCam 6000 Laser Interferometer

4D Technology Corp.
The PhaseCam® 6000 is an extremely compact and lightweight laser interferometer for measurement of optics and optical systems.

[More info >>](#)



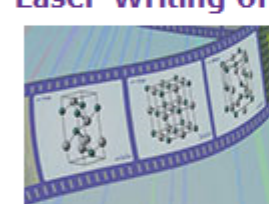
Optical Prisms

A.R.W. Optical Corporation
A.R.W. manufactures custom, standard and OEM optical prisms for the UV to IR region. Provides rapid prototyping through volume production for all industries.

[More info >>](#)

More Articles on Photonics.com

Laser-Writing of DVDs May Have a Speed Limit



A recent discovery about the nature of phase-change materials used in digital storage media could lead to faster computer memory systems — but may also point to an unavoidable limit to data recording speeds.

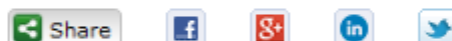
[Read Article >>](#)



Neptec UK to Build Satellite Optical Metrology System

Proba-3 is the world's first precision formation flying mission for satellites. It consists of two satellites weighing 200 and 250 kg that will fly 150 m apart, become a virtually fixed structure in space.

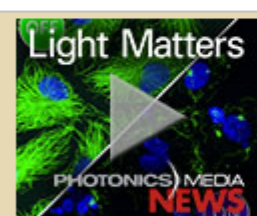
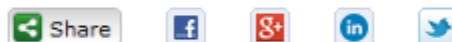
[Read Article >>](#)



Dynamic Perspective, TU Wien Collaborate on Drone Gimbal

Researchers spent two years working on the control system to enable active camera stabilization through a Cardan suspension. While only three rotational axes are necessary to rotate a camera in space, two extra axes were added for particularly fine, quick corrections.

[Read Article >>](#)



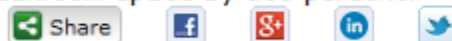
This week on **Light Matters**:

Chemotherapy puts cancer patients through the wringer, but light may help them avoid some of the side effects.

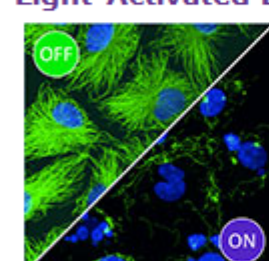
SemiNex Expands IR Laser Diode Production Facility in Massachusetts

Citing significant increases in production orders, the company said it had outgrown its manufacturing and R&D space and has increased its cleanroom space by 300 percent.

[Read Article >>](#)



Light-Activated Drugs Help Target Tumors, Cut Side Effects



A new technique that uses light to activate chemotherapy drugs in specific cells shows promise as a way to improve the effectiveness of cancer therapies while preventing severe side effects.

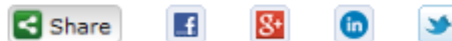
[Read Article >>](#)



Chinese LED Manufacturer Orders Deposition Systems from Oxford Instruments

Oxford Instruments' large-capacity, open-loading PlasmaPro systems allow processing of wafers up to 300 mm. The devices are designed for the production of high-quality, uniform dielectric films in LED manufacturing.

[Read Article >>](#)



Industry Events

12th Multinational Congress on Microscopy - Aug. 23-28, 2015 · Eger, Hungary



The aim of MCM conferences is to bring together leading experts and emerging young researchers applying many types of microscopic techniques in the field of life or materials sciences, as well as to provide a forum for new directions.

[More info >>](#)

CALL FOR ARTICLES!



Photonics Media is currently seeking technical feature articles on a variety of topics for publication in our magazines (*Photonics Spectra*, *Industrial Photonics*, *BioPhotonics* and *EuroPhotonics*). Please submit an informal 100-word abstract to Group Publisher Karen Newman at karen.newman@photonics.com


Questions: pr@photonics.com

Unsubscribe: <http://www.photonics.com/Newsletter/EmailUnsubscribe.aspx>

[Subscribe](#) | [Manage Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

FEATURED VIDEO

Thermal Laser Detector



SUSANNE DROESCHER
PRODUCT MANAGER AT greenTEG

greenTEG – Ultrafast Laser Power Detector

Product Manager Susanne Dröscher presents the latest product developments including an ultrafast laser power detector for average powers up to 50 W, the most compact thermal detectors on the market and a position sensitive device. All greenTEG power detectors are especially designed to meet the needs of OEMs.

sponsor

SPIE SMART STRUCTURES NDE

SMART STRUCTURES NDE

Applied technologies of advanced materials, smart sensor networks, non-destructive evaluation, and structural health monitoring.

REGISTER TODAY

Conferences & Course: 25–29 March 2017
Portland Marriott Downtown Waterfront Hotel
Portland, Oregon, USA

sponsor

APRIL 3-6, 2017 | CHICAGO

AUTOMATE • 2017




Connect with leading suppliers and experts in vision!

REGISTER TODAY!

PHOTONICS buyers' guide

Looking for **Optics and Optical Components products?** Search the Photonics Buyers' Guide or Browse these product categories:

- Aspheric Lenses
- Cylindrical Lenses
- Infrared Absorbing or Reflecting Filters
- Integrating Spheres
- Optical Coatings
- Simple Lenses



sponsor

sponsor