

LASERS



Tech Pulse



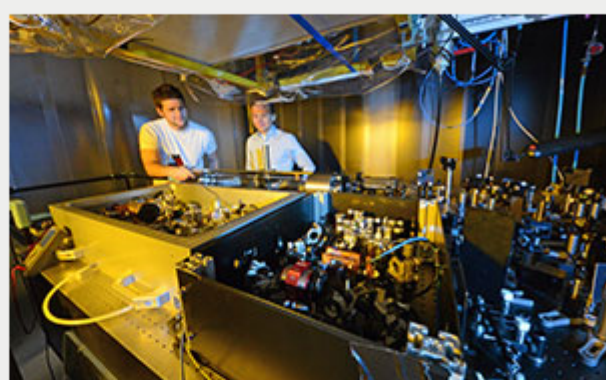
October 2015

Lasers Tech Pulse is a special edition newsletter from Photonics Media and Ophir-Spiricon LLC covering key developments in laser technology.

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Broadband Laser Aimed at Cancer Detection

A team of researchers from Germany and Spain has developed a laser system with phase-coherent emission from 6.8 to 16.4 μm and output power of 0.1 W. That is broad and powerful enough, they said, to detect subtle signs of cancer early in its development.



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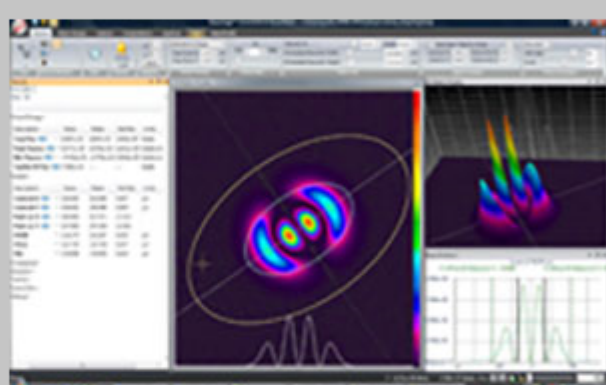
PROMOTED CONTENT



Ophir-Spiricon LLC, Photonics

Are You Getting the Laser Beam You Expected

BeamGage® is a state-of-the-art beam profiling system that performs extensive data acquisition and analysis of laser beam parameters, such as beam size, shape, uniformity, divergence, mode content, and expected power distribution. The newest version features a major upgrade of the computation engine to improve cycle time, responsiveness of the user interface, and enhance the ability to work with apertures and partitions.



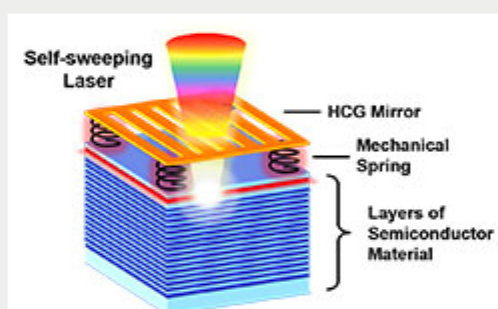
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Light Moves Mirror for 3D Sensing

A laser system that includes a mirror moved by the force of light could enable the miniaturization of 3D sensors for driverless cars and bioimaging.

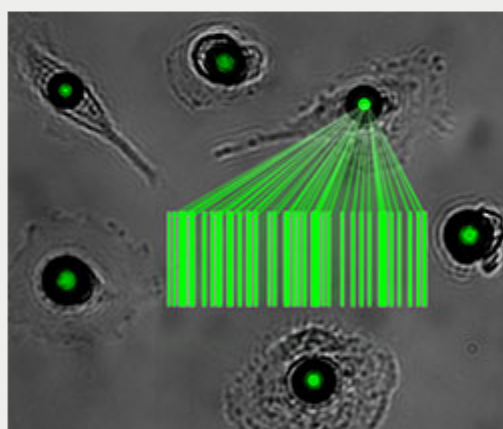


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Microlasers Track Cells from the Inside

Embedded microlasers could allow scientists to track and distinguish between large numbers of cells simultaneously.



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Lasers Improve Blade Maintenance for Stone Cutting

Lasers and glue could replace the solder used today to attach diamond segments to rotary blades used in stone cutting.

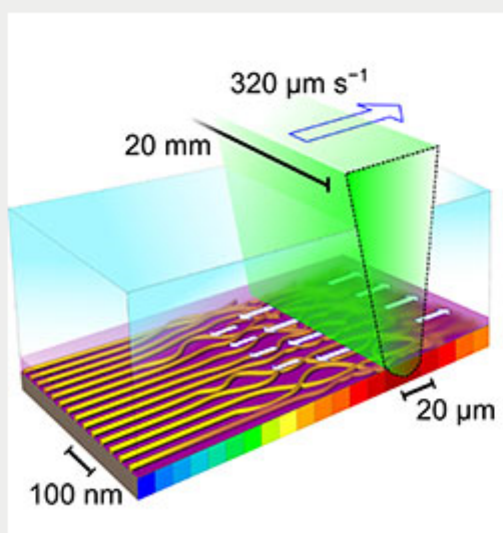


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Laser Annealing Creates Nanoscale Lattices

A new laser patterning technique can create large-scale, nanostructured grids that could enhance manufacturing of optical coatings, solar cells and touch screens.



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