

LASERS



Tech Pulse


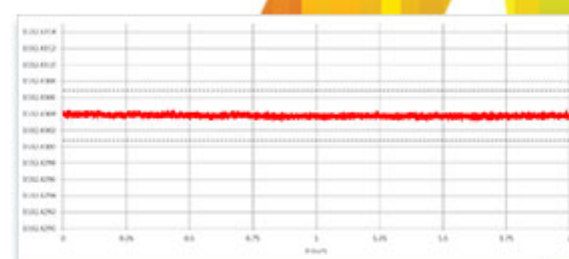


September, 2015

Lasers Tech Pulse is a special edition newsletter from Photonics Media and Bristol Instruments covering key developments in laser technology.

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It's Our Business to be EXACT!
Laser Wavelength Meters

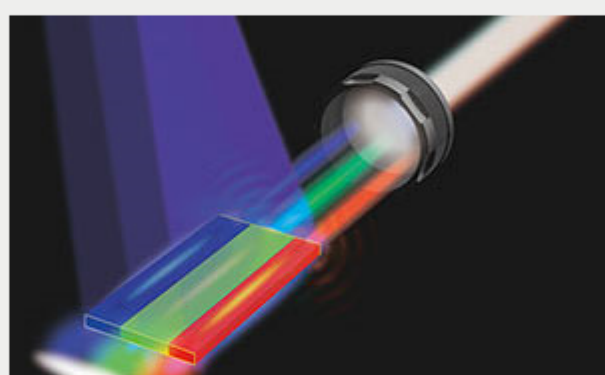



Bristol Instruments bristol-inst.com
585-924-2620

The Power of Precision in Wavelength Measurement

Chip-Scale Laser Produces White Light

Able to produce white light, a chip-scale semiconductor laser brings the technology one step closer to becoming a mainstream light source and potential alternative to LEDs.



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PROMOTED CONTENT

Bristol Instruments, Inc.

Laser Wavelength Meters

The best way to determine the absolute wavelength of CW lasers is with the 621 Series Laser Wavelength Meter. This system provides real-time wavelength information measured to an accuracy as high as ± 0.2 parts per million. This accuracy is guaranteed by continuous calibration with a built-in wavelength standard which ensures the reliable accuracy that is needed to generate the most meaningful experimental results.



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Sharper 3-D Laser Scanner Impervious to Ambient Light

Refining principles of 3D sensing for video games, researchers at Northwestern University have developed a laser scanner that produces detailed moving images even in the presence of bright ambient light.

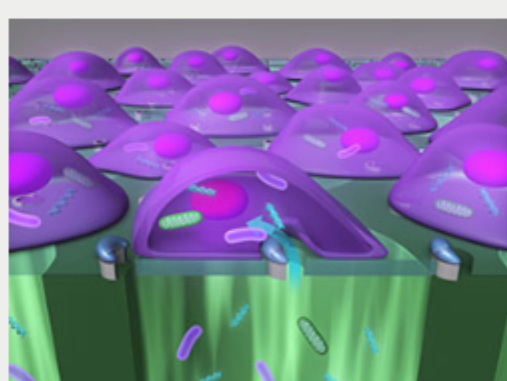


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Lasers Inject 'Cargo' into Cells at High Speed

A laser device that injects relatively large-sized "cargo" into mammalian cells at high speed could aid the study of disease.



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Coating Brings MEMS Flexibility to Laser Welding

A new protective coating for silicon mirrors based on microelectromechanical systems (MEMS) allows precision cutting and welding with high-power lasers.

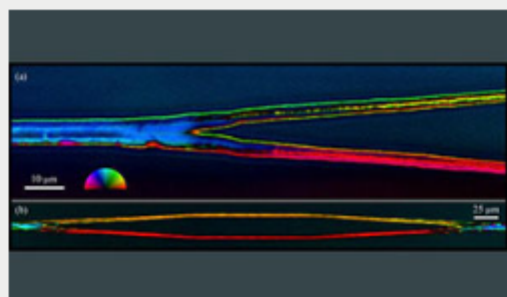


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Ultrafast Lasers Create 3D Crystal Waveguides in Glass

Femtosecond laser pulses can create complex, single-crystal waveguides inside glass – a discovery that could enable photonic integrated circuits (PICs) that are smaller, cheaper, more energy efficient and more reliable than current networks that use discrete optoelectronic components.


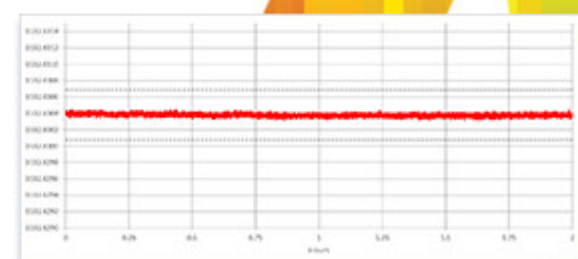


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