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Thursday, August 6, 2015



Nanocrystal-based windows that block different wavelengths of sunlight puts temp, light control in occupants' hands.

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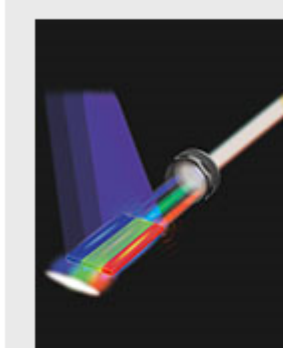


CLYDE TROUTMAN
ENGINEERING MANAGER, 3SAE

3SAE Technologies - Lens Forming Station

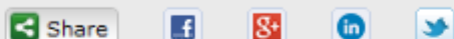
The Lens Forming Station (LFS) allows users to easily optimize a recipe to achieve a desired ball lens diameter utilizing 3SAE's glass processing control software by setting the target diameter and arc controls. All adjustable parameters can easily be locked out, offering simple "one button" control to the operator while allowing ultimate customization of recipes from an engineer level.

Chip-Scale Laser Produces White Light



A chip-scale semiconductor laser, which is able to produce white light, is bringing such technology one step closer to becoming a mainstream light source, and could be a potential alternative to LEDs. Brighter and more energy efficient than LEDs, the new laser design could be used in displays and visible light communications.

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Gooch & Housego Wins £364 to Develop 'Freeze Ray'

Gooch & Housego PLC has been awarded £364,000 (about \$569,000) in U.K. funding to lead the development of a miniature, high-power fiber system for laser cooling in practical environments. The Freeze-Ray project also involves e2v Technologies of Essex, and the Midlands Ultracold Atom Research Centre at the University of Birmingham.

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Intevac Receives Deposition System Order from Display Manufacturer

Intevac Inc. will supply a VERTEX physical vapor deposition system, used to provide enhanced scratch protection on mobile device displays, camera lenses and glass covers, to a new, Tier 1 display customer. The system was developed through the use of small-substrate processing and protective coatings from the hard drive media market, offering a high-throughput manufacturing solution with precise thin-film deposition on small substrates.

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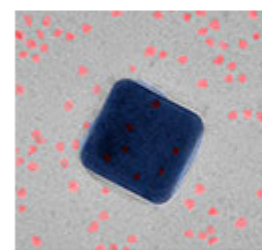
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Plasmonic Device Achieves 90-GHz Switching



A new plasmonic light emitter that can flip on and off 90 billion times a second could form the basis of optical computing. When laser illumination generates plasmons, it creates an intense electromagnetic field that triggers the QDs; this then produces directional, efficient emission of photons.

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Physik Instrumente Expands to Silicon Valley

PI (Physik Instrumente) LP has expanded its reach to Silicon Valley. The new facility in Sausalito, Calif., will be similar to PI's existing sales and applications office in Irvine, Calif.

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Fluorescent Mesh Aids Tissue Regrowth

Polymer fibers provide a mesh for tissue growth that can be monitored through near-infrared fluorescence imaging. Originally developed for solar cells, the material was found to be optimal for in situ imaging.

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Labor Secretary, Legislators Visits LNA Laser Technology

U.S. Secretary of Labor Tom Perez visited LNA Laser Technology LLC in Rhode Island recently for discussions on paid leave, a tour of the facility and a demonstration of robotic laser marking. Perez was there as part of the Lead on Leave tour, where government officials travel around the country to meet with employers, workers, government officials and other stakeholders to highlight the importance of paid leave.

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Dynamic Perspective, TU Wien Collaborate on Drone Gimbal



A lightweight camera-suspension system for ultralight aircraft and drones has been developed by Dynamic Perspective GmbH and Vienna University of Technology. Top-quality film footage can now be obtained from remote-controlled aircraft, and the technology also finds potential in live sports broadcasts.

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Laser Components Opens Pyro Group Facility

Laser Components USA Inc., part of the international Laser Components Group, is soon opening its new pyroelectric detector production facility, after acquiring the manufacturing site of Microwatt Applications LLC.

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