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High Performance OEM Microscope Components



From IR to THz, Space Telescopes Get Detector Array Before it is decommissioned in January 2020, Spitzer will use its



James Webb Space Telescope to further investigate. Led by NASA and its European and Canadian space agency partners, this scientific

operational IR detector arrays to continue identifying objects for the

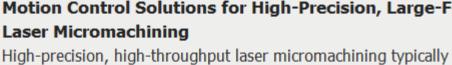
successor to both the Spitzer Space Telescope and the Hubble Space Telescope is currently scheduled to launch in March 2021. Read Article (4) (f) (in) (v)



Motion Control Solutions for High-Precision, Large-Field Laser Micromachining





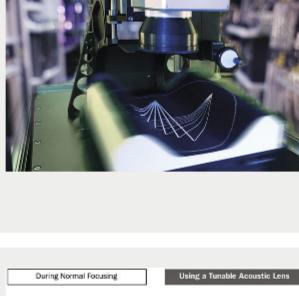


display fabrication, require the processing of workpieces larger than can fit into these reduced image fields, while simultaneously requiring a high level of accuracy and throughput.

requires galvo scan heads with a short focal length, which in turn produces a small image field, or field of view (FOV). However, a growing number of high-tech manufacturing areas, such as OLED

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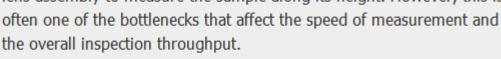
systems, the traditional approach requires mechanically moving the







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measurements include both Veiling Glare Index (VGI) and Glare Spread Function (GSF), and there are new options for lens testing over temperature. With the prevalence of imaging systems in technology today,... Visit Website Request Info New CMOS Sensor Family, Targeted at 3D Laser Triangulation Applications

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and Gas Detection

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transmission, high rejection outside the passband, and

introducing low cosmetic defects — while maintaining

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worthy or innovative? Historically when users needed a laser protective window beyond 1400 nm and below 2700 nm they would be limited to mineral glass which is commonly sold in 6-inch square sheets,...

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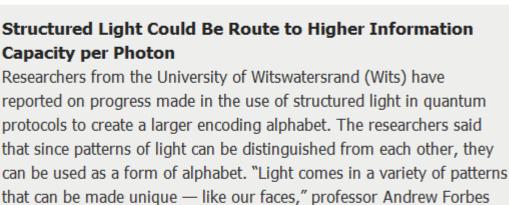
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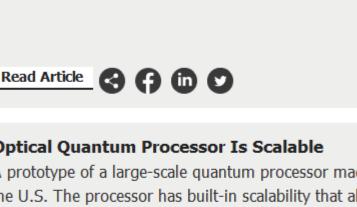
Optical Quantum Processor Is Scalable A prototype of a large-scale quantum processor made of laser light has been created by a team from Australia, Japan, and the U.S. The processor has built-in scalability that allows the number of quantum components to scale to extreme numbers. Researchers Determine Quantum Light Source in 2D Material Scientists at the Vienna University of Technology have uncovered the source of a special type of quantum light created at certain points in the 2D material tungsten diselenide (WSe2) when it is supplied with energy. They found that this specialnature light, which exhibits an antibunching effect, results from the interaction between single atomic defects in the

where they were captured by a defect, lost energy, and emitted a photon.

Since its introduction in 2014, the FD-FLIM pco.flim camera system has been applied to many different areas, from FRET to endogenous

use and applicability of the pco.flim camera. New results including

investigation of microplastics on lab filters, pH measurements, oxygen measurements in a marine environment, assistance for neurosurgery, and rapid FD-FLIM measurements will be shown to demonstrate the

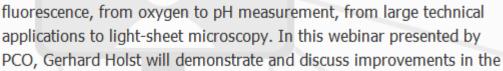


said. "There are, in principle at least, an infinite set of patterns, so an

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flexibility of the pco.flim camera system.

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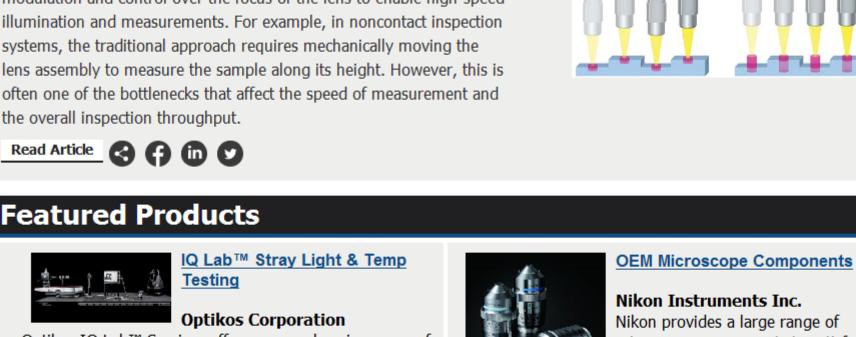
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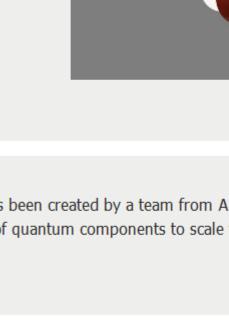
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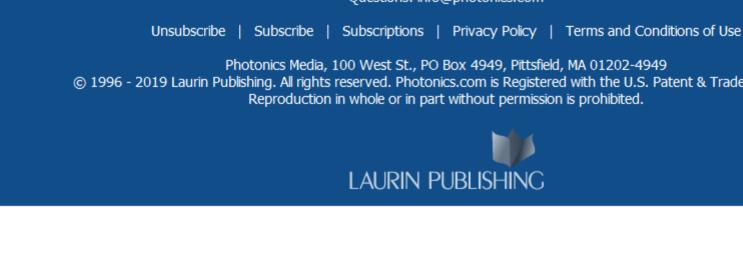
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material and mechanical strain. Computer simulations showed how electrons were driven to specific places in the WSe2,

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