

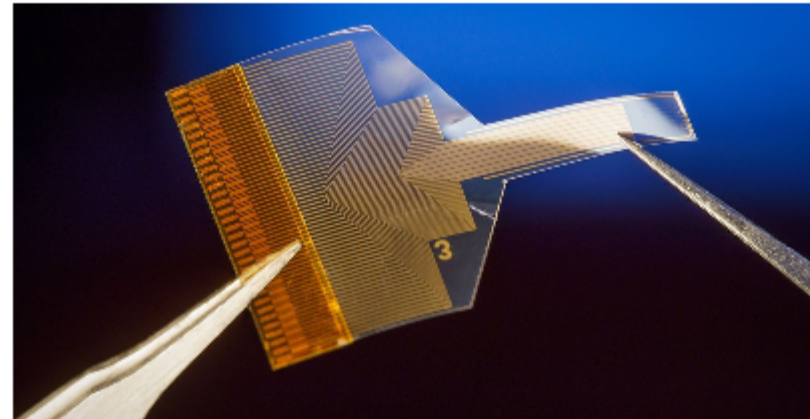


Weekly News



Astral Photography with a Metalens

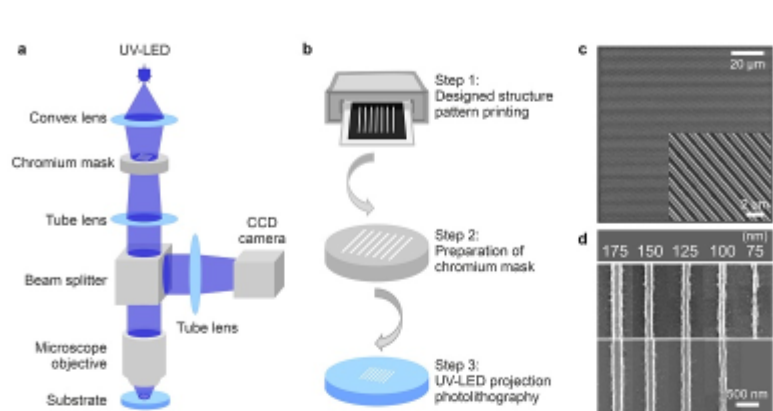
Researchers at the Harvard John A. Paulson School of Engineering and Applied Sciences have developed a 10-cm-diameter glass metalens that can image the sun, the moon, and distant nebulae with high resolution. It is the first all-glass, large-scale metalens in the visible wavelength that can be mass produced using conventional CMOS fabrication technology. [Read Article](#)



Surface Implant Uses Machine Learning to Capture Deep Brain Images

at the brain's surface. [Read Article](#)

A neural implant developed at the University of California San Diego could help advance the path to minimally invasive brain-computer interface technology. The implant provides high-resolution data about deep neural activity by recording



UV-LED Lithography Fabricates High-Resolution Miniaturized Optics

To enable rapid, high-resolution manufacturing of optical elements, a Leibniz University research group developed a low-cost, UV-LED-based microscope projection photolithography system, capable of producing optical elements within seconds. [Read Article](#)

Featured Products & Services



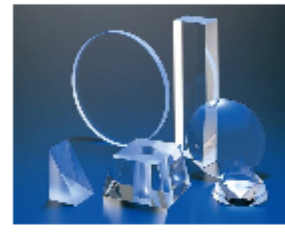
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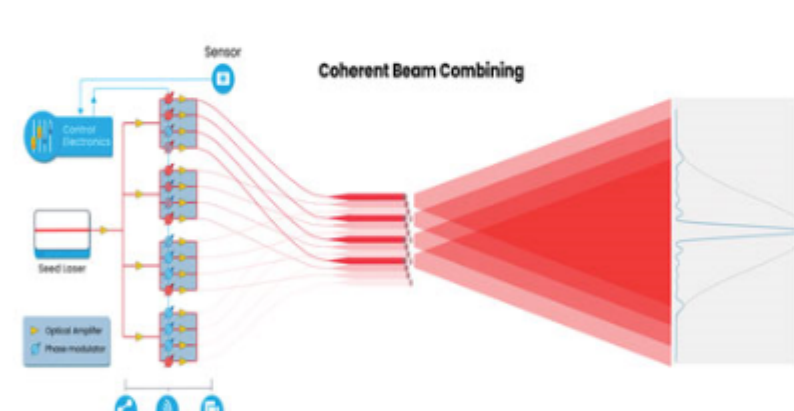
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- [Kopin Details Shift in Corporate Direction](#)
- [OIF Publishes Implementation Agreement](#)
- [LioniX Appoints Ronald Dekker CTO](#)

Latest Webinars

From Theory to Practice: Coherent Beam Combining's Impact on Laser Technology

Thu, Feb 15, 2024 10:00 AM - 11:00 AM EST
 This presentation shines a spotlight on the transformative laser technology known as coherent beam combining (CBC). While this technology has been known for decades, it only recently has been introduced into commercial applications, with Civan Lasers emerging as a leading player in the field. During this webinar, Eyal Shekel delves into the fundamental principles of CBC and explores its versatile configurations, which encompass filled aperture and optical phased array techniques. He provides valuable insights into the latest developments in this field for laser technology enthusiasts or engineers seeking to harness the power of CBC. Presented by Civan Lasers.

[Register Now](#)



Quantum Efficiency Measurements: Fundamentals for Solar Cell Research, Part 2

Wed, Feb 21, 2024 1:00 PM - 2:00 PM EST
 In part two of this series, representatives from MKS Newport present an in-depth discussion on equipment and test configurations used for cutting edge cell development such as perovskites and multi-junction cells. These configuration topics include device interfacing, light generation techniques, and signal detection. They discuss specific requirements that are needed to take these measurements as well as the key challenges researchers run into during experimentation. In addition to quantum efficiency measurements, they also review I-V curve generation and analysis for solar module level parameter testing. Join MKS Newport experts to learn and dig into the world of solar cell design measurements and how to set up a lab

for success. Presented by MKS Newport.

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