





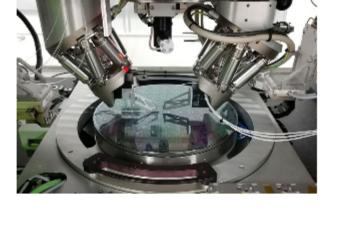
Optimizing Ultrafast Laser Micromachining. Precisely.



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which the institute said features a full suite of advanced tools for

testing photonic integrated circuits (PICs) and conventional electronic ICs. The service will be offered through AIM Photonics' Test, Assembly, and Packaging (TAP) facility, which provides access to both photonic and electronic test, assembly, and packaging prototyping services for substrates up to 300-mm wafers, AIM said. Read Article



energy consumed by photonic chips used in data centers and supercomputers. Specifically, the energy-efficient method compensates for temperature variations that degrade the chips. According to the

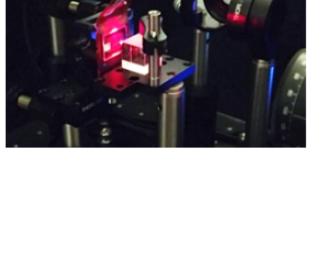
U.S. DOE, a data center can consume up to 50× more energy per square foot of floor space than a typical office building. Data centers account for roughly 2% of all electricity use in the U.S. Read Article Spatial Light Modulation Gauges How Lenses Slow

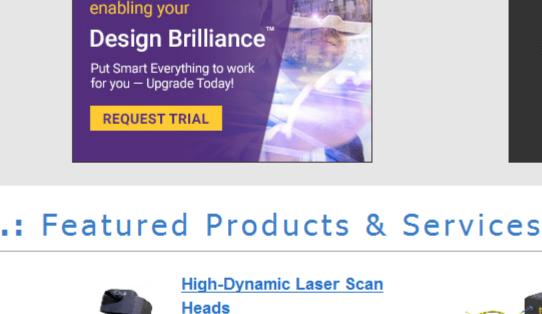


children. Although specialized eyeglass lenses have been clinically tested to treat myopia progression, an in-depth optical characterization

Myopia, or nearsightedness, is one of the most common ocular

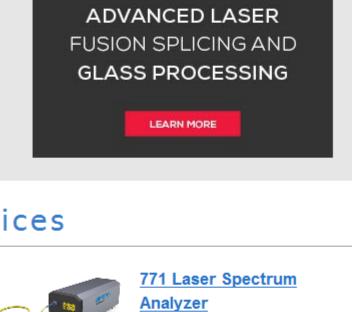
of the lenses has not yet been performed. Researchers from the ZEISS Vision Science Lab at the University of Tübingen and the University of Murcia undertook a comprehensive characterization to investigate the properties of spectacle lenses designed to slow the progress of myopia. Results of the study could help increase the efficacy of future lens designs. Read Article





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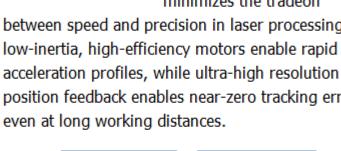


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The Aerotech AGV-XPO two-The model 771 operates as both a high-resolution axis laser scan head spectrum analyzer and a high-accuracy wavelength

minimizes the tradeoff

Aerotech Inc.

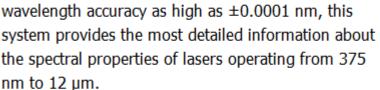


between speed and precision in laser processing. Its low-inertia, high-efficiency motors enable rapid

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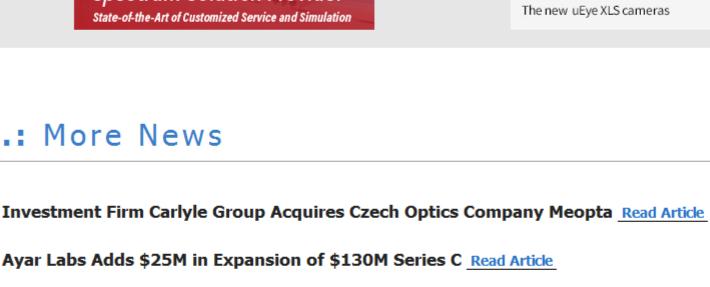
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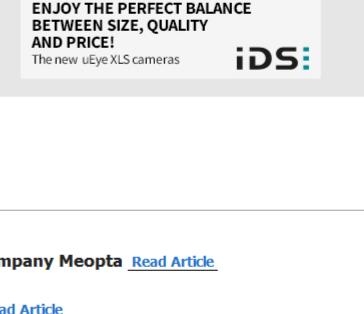


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measurement confidence and speed with dedicated phase detection, consolidate legacy test equipment, and reduce costs with software-defined instrumentation. Presented by Liquid Instruments. Register Now

covers advanced phase measurement techniques essential for applications such as coherent beam

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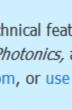
combining (CBC), optical metrology, free-space optical (FSO) communication, and gravitational wave detection. The presentation introduces phase and compares several common phase measurement techniques. Learn how to improve

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business and technology leaders in Arkansas are commencing to ensure they can best-leverage opportunities stemming from 2022's Chips and Science Act. In this episode, Burgess overviews his state's opportunity following passage of the act, and he discusses the link between optics and photonics and semiconductor-driven economic







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