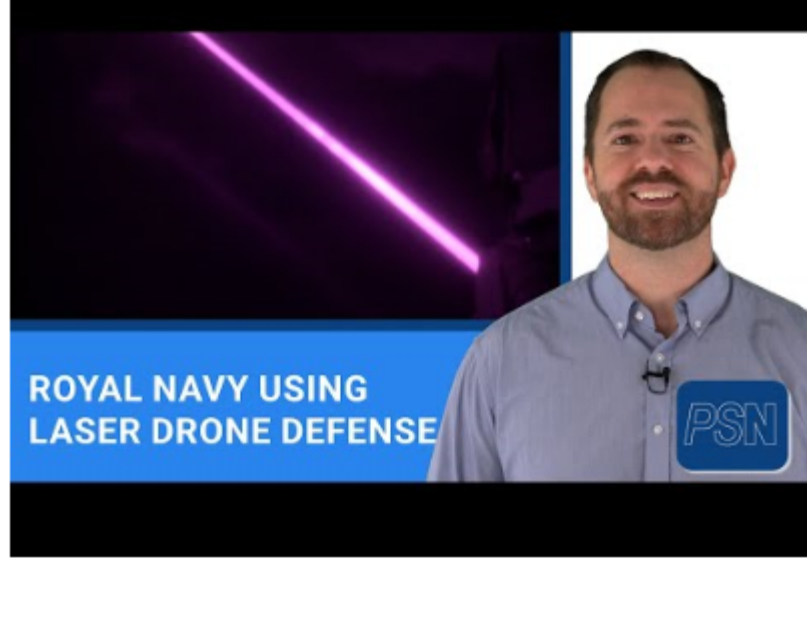




Weekly News

OHARA



Royal Navy Turns to Laser Drone Defense, Imaging 3D Chaotic Microcavities

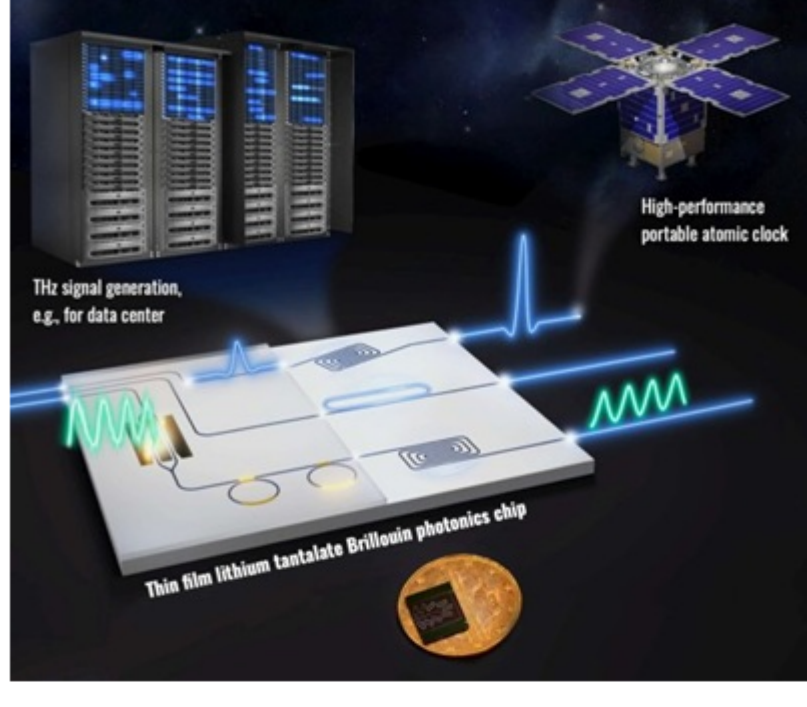
Marvell Technology enters into an agreement to acquire Celestial AI for at least \$3.25 billion. The Royal Navy invests in laser defense systems that can take out a drone going 400 mph. And JENOPTIK sees the departure of another top executive.

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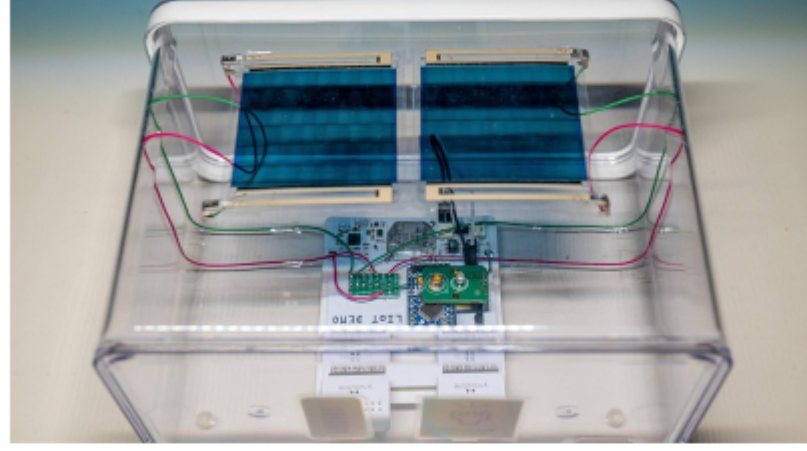
More Change at Jenoptik: Supervisory Board Chair Resigns

The chairman of Jenoptik's supervisory board, Matthias Wierlacher, will resign from his position as a member of the board effective Dec. 29. A successor will be elected in the near term, Jenoptik said. The resignation follows last week's news that CEO Stefan Traeger will step down from his position after nine years. The company said it would begin a structured process to find a successor. [Read Article](#)



UT to Develop Ultra-Pure Laser Light

The University of Twente entered a research project called ULTRAPURE, which aims to develop super-stable, ultra-pure laser light, a key technology for next-generation communications, ultra-precise clocks, and future quantum systems. The €3 million ULTRAPURE project is coordinated by TU Braunschweig and is funded by the European Innovation Council. [Read Article](#)



LEDs Provide Power and Functionality for Sustainable IoT Networks

In the future, LEDs could serve as data transmitters and energy sources in holistic Internet of Things (IoT) networks. The University of Oulu's professor Marcos Katz leads SUPERIOT, a Horizon Europe project that aims to develop a flexible IoT system based on the dual-mode use of optical and radio communications. The system will be sustainably

powered by printed electronic components made from low-cost, bio-friendly materials. [Read Article](#)



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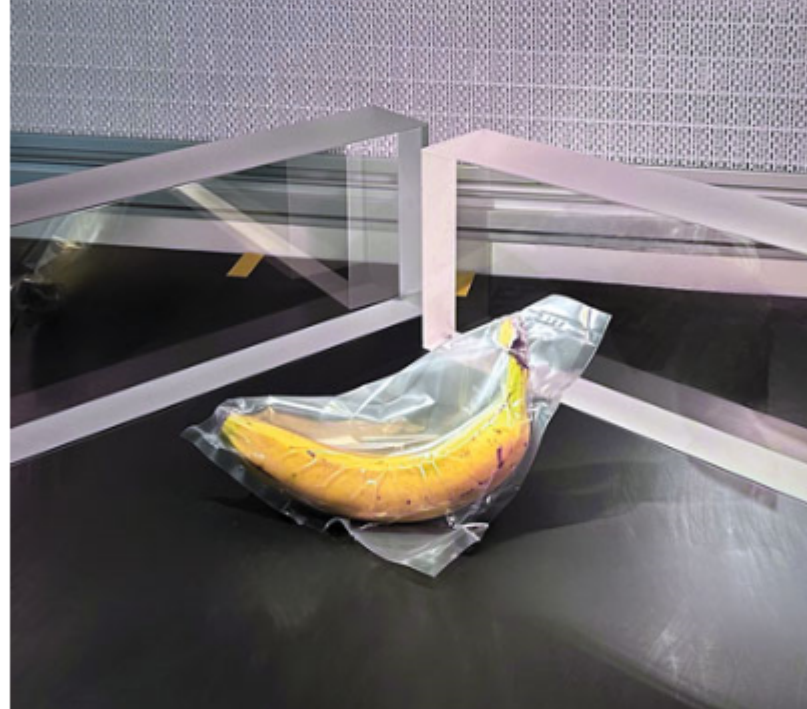
[xLight to Receive \\$150M Under CHIPS Act](#)

[Vexlum to Develop a Yellow Guide Star Laser for the European Space Agency](#)

[Optica Names 2026 Fellows](#)

[Mixx Technologies Raises \\$33M Series A Funding Round](#)

Latest Webinars



Engineering the Next Generation of Large-Format High-Power Optics

Wed, Dec 10, 2025 10:00 AM - 11:00 AM EST

Large-format optics are the backbone of next-generation laser systems-from fusion facilities to high-energy research. Join OPTOMAN experts to learn how Ion Beam Sputtering (IBS) enables 500 mm size dielectric optics with exceptional laser-damage thresholds and uniformity. This webinar reveals the key technological challenges, solutions, and real-world applications shaping the future of large-aperture photonics. Discover how IBS optics are redefining what's possible in high-power laser performance.

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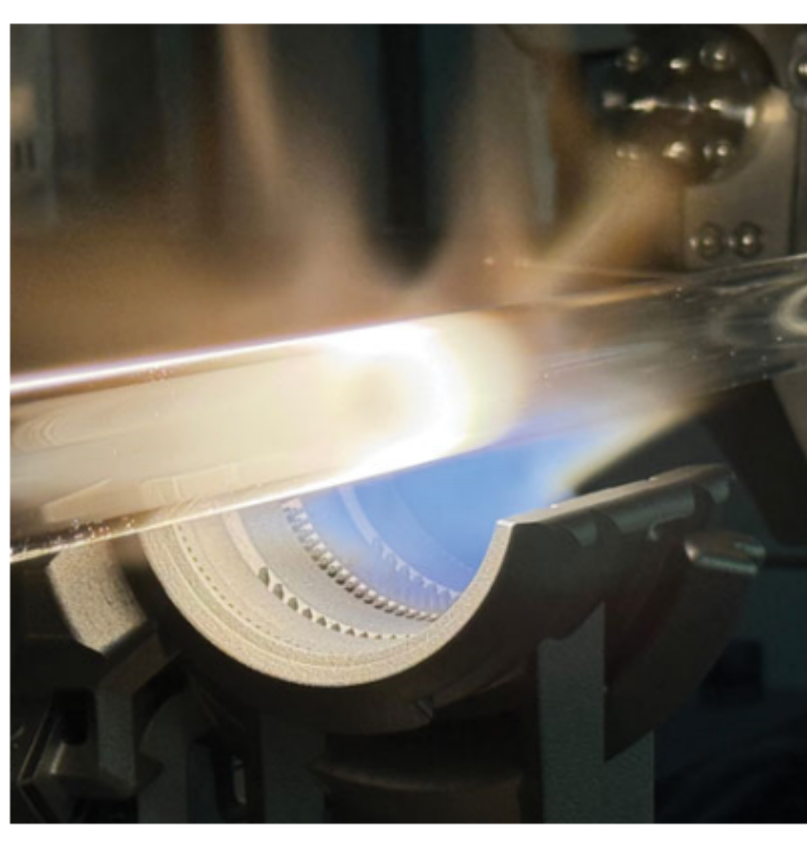


Using Laser Welding Process Monitors to Improve Manufacturing Success

Thu, Dec 11, 2025 12:00 PM - 1:00 PM EST

In recent years, advanced laser process monitors have been developed to capture signals that are generated during the welding process. These systems collect real-time data - such as melt pool behavior and plasma emissions - to detect weld defects, parameter deviations, and equipment issues early on. This presentation will introduce attendees to the various types of process monitors available today, the specific defects that they can identify, and the potential advantages of implementing the technology in manufacturing and production environments. Sponsored by [Aerotech](#).

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Manufacturing Solutions for Hollow-Core Fibers

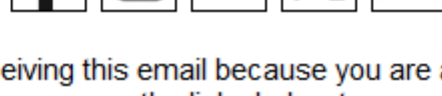
Tue, Dec 16, 2025 10:00 AM - 11:00 AM EST

This webinar explores the complete hollow-core fiber manufacturing chain and the Nextrom machinery that enables it. Beginning with preform manufacturing systems, it examines equipment designed to produce high-quality structures for hollow-core geometries. The webinar will then focus on the fiber draw tower, where precise control of furnace temperature, capstan tension, and internal gas pressure is essential. Finally, it will cover how proof testing equipment ensures the mechanical strength and long-term reliability of the hollow-core fiber. Along the way, the webinar will show how Nextrom's advanced process control and automation features improve yield, reduce defects, and enable consistent fiber quality. Presented by Nextrom.

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