



WEBINARS



Join us for a **FREE Webinar**

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

**Wednesday, December 10, 2025 10:00 AM - 11:00 AM EST**

**Register Now**

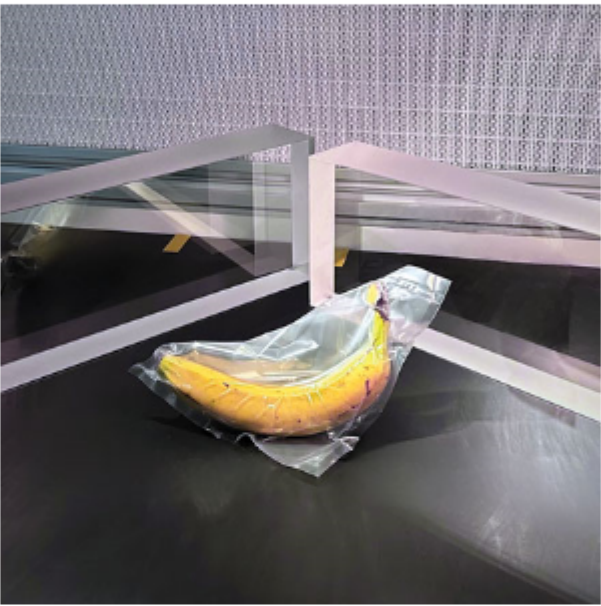
Producing large-format optics (exceeding 200 mm in diameter) with high laser-induced damage thresholds (LIDT), low absorption, and uniformity is critical for laser fusion, particle acceleration, high-energy physics, and directed-energy systems.

This webinar explores how ion-beam sputtering (IBS) enables reliable production of dielectric optics up to 500 mm. Drawing on OPTOMAN’s research and development results and case studies, it highlights process optimization, advanced metrology, and coating strategies that unlock new performance levels in large-aperture components.

Key topics:

- Scaling IBS coatings beyond 400 mm
- Coating uniformity and stress management
- Metrology and qualification (interferometry, absorption, LIDT testing)
- Applications in laser fusion, defense, and scientific markets

Join Lukas Ceizaris, Chief Marketing Officer at OPTOMAN, as he shares insights on producing large-format optics for high-power lasers. With a background in physics and hands-on IBS experience, Lukas brings expertise in advanced coatings and strategic product development for next-generation laser systems.



**Upcoming Webinars**

- [Solving Processing Demands for High-Bandwidth Imaging](#), 12/4/2025 11:00:00 AM EST
- [Extending Zemax and CODE V: Custom Extensions and DLLs for Optical Design](#), 12/9/2025 1:00:00 PM EST
- [Using Laser Welding Process Monitors to Improve Manufacturing Success](#), 12/11/2025 12:00:00 PM EST

**Archived Webinars**

- [Design-for-Excellence \(DfX\): Building Scalable, Reliable Optical Systems](#)
- [Advanced Motion Control for Semiconductor Metrology](#)
- [SPAD Arrays and Cameras: A Comparison with Conventional Image Sensors and Detectors](#)

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