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## MEDIA ADVISORY

# Corning To Showcase Calcium Fluoride Advancements, Hyperspectral Innovations at Photonics West 2024

*By harnessing what's possible with light, Corning's solutions help customers solve their toughest optical challenges – and shape the future of the semiconductor and aerospace industries.*

**Corning, N.Y.** – [Corning Incorporated](#) (NYSE:GLW) will highlight its latest innovations for the semiconductor and aerospace industries at the [SPIE Photonics West 2024](#), including two featured technologies: Corning® Optical Grade Calcium Fluoride and the company's hyperspectral-imaging line.

**What:** Photonics West 2024

**When:** January 30 – February 1, 2024

**Where:** Booth #1649, Moscone Convention Center, San Francisco, California

“For more than 50 years, Corning has brought vital innovations to the semiconductor and aerospace industries,” said Angela Julien, division vice president and business director, Corning Semiconductor Technologies & Solutions. “These highly technical solutions reflect our deep understanding of our customers’ needs and our enduring commitment to helping them solve their toughest challenges.

Corning experts will demonstrate two featured technologies: Corning® Optical Grade Calcium Fluoride and hyperspectral imaging.

- [\*\*Corning® Optical Grade Calcium Fluoride\*\*](#)

Corning® Optical Grade Calcium Fluoride delivers exceptional transmission, remarkable refractive-index homogeneity, and high-precision imaging at all wavelengths (DUV-IR) for applications in semiconductor manufacturing and process control. It is available in pre-finished blanks up to 90mm in diameter, meeting stringent optical requirements. Corning is now accepting pre-qualification orders with accelerated lead times for volume manufacturing for up to  $\leq 2$  ppm refractive index homogeneity and  $\leq 2$  nm stress birefringence.

- **[Corning Hyperspectral Technology for Low-Earth Orbit](#)**

With Corning's commercial hyperspectral product line, customers can uncover unseen insights from the ultraviolet to the near-infrared with just one sensor for terrestrial and low-earth orbit applications. Additionally, Corning has advanced its precision manufacturing capabilities to build larger aperture systems – for example, we recently delivered a sensor system that captures nearly 500 bands of light for [San Francisco-based start-up Orbital Sidekick](#).

Corning invites customers to see its [commercial hyperspectral technology](#) in action by visiting a live demonstration of Corning's microHSI™ family of hyperspectral sensors and systems. Visitors will be able to pinpoint specific materials in a simulated earth environment and will learn how hyperspectral monitoring can be used for terrestrial and low-earth-orbit applications.

Corning will also showcase its precision optics, metrology instruments, advanced packaging and wafers, and optical materials for the semiconductor industry. These include Corning® HPFS® Fused Silica (High Purity Fused Silica) and Corning® ULE® Glass (Ultra-Low Expansion Glass) as well as diamond turned optics, and specialty fiber. At SPIE AR|VR|MR, Corning will display its augmented reality solutions and Corning® Varioptic® Lenses.

In addition, Corning is sponsoring the [Next-Generation Optical Communication](#) conference at this year's exhibition. To learn more about Corning led technical sessions and presentations please refer to [SPIE's conference program](#).

For more information on Corning's optical solutions, please visit [www.corning.com/advanced-optics](http://www.corning.com/advanced-optics).

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## **About Corning Incorporated**

Corning ([www.corning.com](http://www.corning.com)) is one of the world's leading innovators in materials science, with a 170-year track record of life-changing inventions. Corning applies its unparalleled expertise in glass science, ceramic science, and optical physics along with its deep manufacturing and engineering capabilities to develop category-defining products that transform industries and enhance people's lives. Corning succeeds through sustained investment in RD&E, a unique combination of material and process innovation, and deep, trust-based relationships with customers who are global leaders in their industries. Corning's capabilities are versatile and synergistic, which allows the company to evolve to meet changing market needs, while also helping our customers capture new opportunities in dynamic industries. Today, Corning's markets include optical communications, mobile consumer electronics, display, automotive, solar, semiconductors, and life sciences.