



MEDIA ADVISORY

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Excelitas to Showcase Advanced Optical and Imaging Solutions for Metrology and Inspection at SEMICON West 2026

WHO: Excelitas®, a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the MedTech, Life Sciences, Advanced Industrial, next-generation Semiconductor and Avionics end markets, will showcase a broad range of advanced optical and imaging technologies for semiconductor manufacturing at SEMICON West 2026.

WHAT: At Booth #5584, Excelitas will highlight technologies supporting advanced photolithography, inspection, metrology, wafer alignment and rapid thermal processing applications. Featured solutions will include:

- [**Custom Optical Components and Assemblies**](#): High-precision optical components and assemblies for demanding semiconductor applications, backed by specialized capabilities in lenses, mirrors, prisms and prism assemblies. Excelitas provides extensive optical manufacturing capabilities spanning wavelengths from deep ultraviolet (DUV) through long-wave infrared (LWIR).
- [**Optem® FUSION Modular Microscopy Platform**](#): A flexible microimaging lens platform designed for high-precision, high-magnification imaging from visible through short-wave infrared (SWIR) wavelengths. Its uniform mechanical interface and bi-directional infinity optics enable system designers to configure and interchange fixed-magnification, 7:1 zoom and 12.5:1 zoom optical modules for a wide range of inspection and imaging requirements.
- [**pco.pixelfly™ 1.3 SWIR Camera**](#): A high-performance machine vision camera featuring an InGaAs image sensor with sensitivity across the SWIR, near-infrared and visible spectral ranges. The camera supports demanding imaging and inspection applications requiring sensitivity beyond the capabilities of conventional visible-light cameras.
- [**d.fine HR-M Series Lenses**](#): High-resolution lenses engineered for demanding inspection applications using large-format, high-resolution sensors. The d.fine HR-M Series delivers exceptional optical performance and precision, enabling users to fully leverage the capabilities of high-resolution CMOS image sensors for applications requiring reliable detection of fine structures and features.
- [**pco.pixelfly™ 105 bi Camera**](#): Combining 105 MP ultra-high-resolution imaging with high-speed acquisition, global shutter operation, and robust CLHS data transfer, this next-generation camera delivers excellent sensitivity, low noise, and high dynamic range for reliable detection of fine defects and critical features. Its large field of view enables higher throughput and inspection efficiency, while the scalable architecture helps reduce overall system complexity.

SEMICON West brings together semiconductor companies, technology innovators and business leaders advancing the future of microelectronics. Visit Excelitas at Booth #5584 to learn more about its optical and imaging technologies for semiconductor manufacturing applications.

WHEN: October 13–15, 2026

WHERE: Excelitas Booth #5584
Moscone Convention Center
747 Howard Street
San Francisco, CA 94103
United States

For more information, visit <https://www.excelitas.com/>.

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About Excelitas

Excelitas® is a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the MedTech, Life Sciences, Advanced Industrial, next-generation Semiconductor and Avionics end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of advanced technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide. Excelitas is at the forefront of addressing many of the relevant megatrends impacting the world today, including precision medicine, industrial automation, artificial intelligence and connected devices (IoT).

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