



FOR IMMEDIATE RELEASE:

Excelitas Introduces 10X M Plan Apo Wide Field Microscope Objective

Optimized for faster, wider field of view and reliable imaging with 30 mm sensor support



Pittsburgh, Pa., September 15, 2025 – [Excelitas®](#), a leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics sectors, today introduces its enhanced [Optem® 10X M Plan Apo Wide Field Microscope Objective](#).

The enhanced 10X M Plan Apo Wide Field Objective is engineered for precision optical inspection, delivering uniform image quality across a wide field of view and supporting larger 30 mm image sensors. Designed with a 0.28 numerical aperture, it enables resolution down to 1 μm while maintaining a generous 34 mm working distance. The optimized flat-field design delivers superior uniform resolution and contrast from center to edge, avoiding typical corner softening seen with standard 24 mm optimized optics.

Built on the industry-standard 95 mm parfocal length and featuring an infinity-corrected design, the 10X M Plan Apo Wide Field Objective integrates easily into existing systems, including the [Optem FUSION](#) micro-inspection platform. The result is increased throughput, consistent image quality and reliable imaging performance for semiconductor backend processes, electronics inspection and advanced research applications.

“The 10X M Plan Apo Wide Field Objective answers a growing demand for larger field-of-view imaging with consistent high-quality results,” said Michael Bulk, Product Manager at Excelitas. “Customers can now achieve more accurate, reproducible outcomes in critical inspection and metrology tasks.”

For more information about the Optem 10X M Plan Apo Wide Field Microscope Objective, please visit: <https://www.excelitas.com/product/optem-long-working-distance-objectives>.

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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 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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