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MIRTEC Earns 2026 Mexico Technology Award for Simultaneous Top/Bottom AOI Innovation

September 2026 – MIRTEC, the 'Global Leader in Inspection Technology,' is pleased to announce that its MV-6TB Simultaneous Top/Bottom AOI System has received a 2026 Mexico Technology Award in the Inspection – Simultaneous Top & Bottom AOI category. The award was presented during a ceremony held before SMTA Guadalajara 2026 on Wednesday, October 7, 2026, in Guadalajara, Jalisco, Mexico.

The MV-6TB redefines automated optical inspection by performing simultaneous top and bottom PCB inspection in a single pass, eliminating the sequential inspection process required by conventional AOI systems. Featuring independent processing architecture for the upper and lower inspection heads, the system inspects both sides of an assembly in parallel, increasing productivity by up to 200% while maintaining exceptional inspection accuracy. Supporting configurable 2D and 3D inspection for SMT, THT, and mixed-technology assemblies, the MV-6TB provides manufacturers with the flexibility to address a broad range of production requirements.

Designed to improve quality while reducing production costs, the MV-6TB combines dual-sided inspection into a single platform, minimizing board handling, reducing equipment footprint, and increasing line throughput. Optional technologies, including Z-axis optical movement for tall components and 18-megapixel side-view cameras for inspecting challenging features such as J-leads, gull-wing leads, QFNs, solder joints, and OCR markings, further expand inspection coverage for today's increasingly complex electronic assemblies.

"We are honored to receive this Mexico Technology Award recognizing the innovation behind the MV-6TB," said Brian D'Amico, President of MIRTEC Corp. "As electronics assemblies become more complex, manufacturers need inspection solutions that deliver both speed and accuracy. The MV-6TB's simultaneous top and bottom inspection capability enables customers to significantly increase throughput while maintaining the high levels of quality and reliability that modern electronics manufacturing demands."

By combining simultaneous dual-sided inspection, advanced imaging technologies, and scalable system architecture, the MV-6TB helps electronics manufacturers improve production efficiency, optimize floor space, and deliver consistently high-quality products in demanding manufacturing environments.

The Mexico Technology Awards recognize the most recent technological innovations in Mexico's manufacturing landscape, spotlighting achievements by OEM manufacturing equipment and materials suppliers over the past year. For more information about the awards, please visit www.mexicoems.com/mta-awards.

MIRTEC offers a comprehensive portfolio of 3D/2D AOI, SPI, CCI, Semiconductor, AI, and Smart Factory solutions designed to improve quality, productivity, and process reliability across today's demanding manufacturing environments. For more information about MIRTEC and its inspection solutions, please visit www.mirtec.com.

For more information about the new Dallas Sales and Demo Center as well as its innovative inspection technology solutions, visit www.mirtec.com.

