



Nordson TEST & INSPECTION Showcases State-of-the-Art Inspection and Metrology Solutions at SEMICON Taiwan

Minneapolis, Minnesota — September 2024 — [Nordson TEST & INSPECTION](#) today announced its participation in SEMICON Taiwan, one of the most anticipated events in the semiconductor industry. The event will take place from September 4-6, 2024 at TaiNEX Hall 1 and 2, Taipei, Taiwan. In booth #L0516, the company will be showcasing its state-of-the-art inspection and metrology solutions, including the Quadra 7 Pro Manual X-ray Inspection (MXI) System, the new SpinSAM Acoustic Micro Imaging (AMI) system and the Gen 7 AMI system. The company will also demonstrate the WaferSense® Auto Teaching System™ (ATS2) for semiconductor tool set-up and maintenance.

The new Quadra 7 Pro MXI system sets a new standard for 3D/2D manual inspection in back-end semiconductor applications. Powered by the revolutionary Onyx® detector technology, it delivers exceptional image clarity and reduced noise levels, elevating the inspection experience to new levels of precision and efficiency.



Equipped with the latest Dual Mode Quadra NT4® tube, the Quadra 7 Pro provides users with maximum flexibility. This innovative feature offers brightness and resolution modes, allowing operators to dynamically switch between them based on specific application requirements.

Enhancing the Quadra 7 Pro's capabilities is the newly developed Revaluation™ software, tailored specifically for high-end semiconductor applications. With an intuitive interface, optimized workflow, and expanded functionality, Revaluation™ software empowers operators to efficiently analyze and interpret inspection data, contributing to faster decision-making and improved overall productivity.



The new [SpinSAM AMI](#) system delivers industry-leading throughput with unparalleled sensitivity for accurately locating defects in wafer based assemblies. The SpinSAM's innovative spin scanning method scans up to 4 (300mm) wafers simultaneously at 41 wafers per hour, with the best-in-class defect capture and image quality.

With 4 matched waterfall transducers in a compact footprint, the system was meticulously engineered to attain full wafer scans in less than 6 minutes. Ideal semiconductor mid-end applications include bonded wafers, Chip-on-Wafer, stacked wafers, MEMS, over-molded wafers and more.

The Gen7 AMI system powered by C-SAM technology, provides fast and highly accurate inspection for detecting delamination and voiding with the most sophisticated microscope. Ideal for lab analysis and specialized high-resolution applications.

The WaferSense® Auto Teaching System™ (ATS2) is a multi-camera sensor that, when used in conjunction with CyberSpectrum™ software, enables accurate wafer hand-off calibration for semiconductor tool alignment and setup for front-end semiconductor fab environments. With the ability to capture three-dimensional offset data (x, y, and z) in real-time, ATS2 simplifies wafer position teaching without the need to open the tools. This results in repeatable and reproducible setups, streamlined maintenance checks, accelerated troubleshooting, and reduced technician-to-technician variation, leading to significant yield improvements and enhanced productivity for semiconductor fabs worldwide.

Nordson is a platinum sponsor of Semicon Taiwan and will be delivering a presentation titled 'Revolutionary Acoustic Technology for Wafer-Level Applications' at the Heterogeneous Integration Global Summit on Thursday, September 5th at 11:50am local time at 701GH, 7F, Taipei Nangang Exhibition Center Hall 2.

For more information, visit www.nordson.com.

About Nordson TEST & INSPECTION

Nordson TEST & INSPECTION offers its SMT & Semiconductor customers a robust product portfolio, including Acoustic, Optical and both Manual and Automated X-ray Inspection systems, X-ray Component Counting systems and Semiconductor measurement sensors. Nordson TEST & INSPECTION is uniquely positioned to serve its customers with best-in-class precision technologies, passionate sales and support teams, global reach, and unmatched consultative applications expertise.

About Nordson

Nordson Corporation (Nasdaq: NDSN) is an innovative precision technology company that leverages a scalable growth framework through an entrepreneurial, division-led organization to deliver top tier growth with leading margins and returns. The Company's direct sales model and applications expertise serves global customers through a wide variety of critical applications. Its diverse end market exposure includes consumer non-durable, medical, electronics and industrial end markets. Founded in 1954 and headquartered in Westlake, Ohio, the Company has operations and support offices in over 35 countries. Visit Nordson on the web at www.nordson.com, www.twitter.com/Nordson_Corp or www.facebook.com/nordson.

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