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PEMTRON to Showcase Cutting-Edge Inspection Systems at Kyushu Semiconductor Industry 2024

August 2024 — PEMTRON, an inspection equipment developer and supplier, is pleased to announce its participation in the Kyushu Semiconductor Industry 2024 exhibition. The event will be held September 25-26, 2024 at the Marine Messe Fukuoka, Hall B, and PEMTRON will be exhibiting at Booth 5-5. Attendees are invited to explore PEMTRON's state-of-the-art inspection systems, designed to enhance quality control and manufacturing efficiency in the semiconductor industry.

Featured Systems at Kyushu Semiconductor Industry 2024:

MARS System

PEMTRON's **MARS** system is a high-speed Automated Visual Inspection (AVI) solution specifically engineered for memory modules. Known for its precision and reliability, the MARS system leverages advanced image processing technology to deliver accurate inspection results at exceptional speeds. Its robust design ensures consistent performance, making it an indispensable tool for memory module manufacturers looking to enhance quality control and boost production efficiency.



APOLLON System



The **APOLLON** system is tailored for comprehensive package inspection and supports a wide range of package types, including BGA, LGA, QFN, QFP, CSP, and SOP. APOLLON excels in real-time defect identification and automated reporting, significantly improving manufacturing efficiency and minimizing production downtime. By swiftly detecting and addressing defects, the system helps maintain the highest standards of quality throughout the packaging

process.

8800WI Wafer Inspection System

The **8800WI** wafer inspection system employs advanced 2D and 3D imaging technologies to inspect various types of bumps, including micro bumps. This system is critical for identifying and resolving quality issues early in the semiconductor manufacturing process. Its cutting-edge imaging capabilities allow for detailed inspection, ensuring that even the smallest defects are detected and corrected.



Experience PEMTRON's Innovative Solutions:

Visitors to PEMTRON's booth at Kyushu Semiconductor Industry 2024 can experience live demonstrations of these cutting-edge inspection systems. The booth will feature videos showcasing the equipment in action, providing an in-depth look at how PEMTRON's solutions are revolutionizing semiconductor inspection.

Don't miss the opportunity to see how PEMTRON is shaping the future of semiconductor manufacturing with its innovative inspection technologies. For more information about PEMTRON, please visit www.pemtron.com.

About PEMTRON

Based on 3D precision measurement and vision source technology, PEMTRON develops equipment used in various fields such as SMT, Automotive Field, Lead Tab, Semiconductor, and supplies Soldering Inspection equipment (3D SPI), 3D Mounting Inspection equipment (3D AOI, MOI), Conformal Coating Inspection equipment (TROI-8800 CI), Bottom Head Inspection equipment (Eagle 8800TH), Top & Bottom Double Sided Simultaneous Inspection equipment (Eagle 8800TWIN), Automated X-Ray SMD Counter (MERCURY), Wafer Sawing Before/After 3D Inspection equipment (8800 WI/WIR), Wire Bonding 3D Inspection & MEMS Auto Inspection equipment (ZEUS), Package AVI equipment (APOLLON), Memory Module / SSD Auto Inspection equipment (MARS), FC-BGA, FCP-CSP Inspection equipment (POSEIDON-S), Scale Sorter Of FC-BGA Products (8800 FI), Bump Metal Mask Inspection equipment (8800 MI), PCB Appearance Inspection equipment (8800 AI) and Lead Tab Process/Inspection equipment (Hawk 7300).