

PEMTRON Corporation
1406, Byucksan Digital Valley
Vi, 219 Gasan Digital 1-Ro,
Geumcheon-Gu, Seoul, Korea

FOR IMMEDIATE RELEASE

CONTACT

PEMTRON Corporation
sales@pemtron.com

PEMTRON Sparks Innovation with World-Class Inspection Systems at SMTconnect 2024

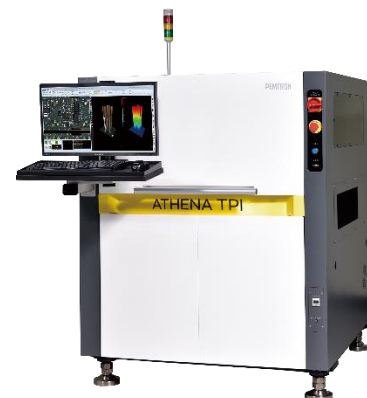
May 2024 — PEMTRON EUROPE, an inspection equipment developer and supplier, is pleased to announce its participation in the upcoming SMTconnect, scheduled to take place June 11-13, 2024 in Nuremberg, Germany. See the invisible world in Hall 4A, Stand 245 – Visitors can expect to see PEMTRON's latest advancements in inspection systems, including the Saturn 3D Inline Solder Paste Inspection System, Athena TPI Press-fit 3D Automated Optical Inspection System, TWIN Top/Bottom Double Sided Simultaneous 3D Automated Optical Inspection System, and TROI 8800 CI Series Conformal Coating Inspection System.

Saturn 3D Inline Solder Paste Inspection (SPI) System:
PEMTRON's Saturn 3D SPI System features Moiré technology, combining 2D color images with 3D measurement data for unparalleled accuracy and realism. Unlike conventional methods, which rely solely on color maps, the Saturn system provides more accurate 3D inspection images. With quad projection, 10/15 or 18um resolution, and an optional 4MP (or 10MP) camera, along with a three-stage conveyor (with optional rail extensions), the Saturn is the most advanced 3D SPI system.



Athena TPI Press-fit 3D Automated Optical Inspection (AOI) System:

The Athena TPI system is tailored for Tall Part Inspection, leveraging a specially developed projector for optimal performance. This advanced system delivers high-speed and high-accuracy inspection capabilities, particularly crucial for industries necessitating precise measurements, such as press-fit components, housing pins, and shielding cases. With robust software adept at handling diverse statistical process data, the Athena TPI system facilitates increased production yield rates, real-time process monitoring, defect root cause identification, cost reduction, and enhanced product quality assurance.



TWIN Top/Bottom Double Sided Simultaneous 3D Automated Optical Inspection System:
PEMTRON will also showcase the TWIN 3D AOI system, designed for top/bottom double-sided simultaneous inspection, enhancing both space utilization and inspection efficiency. The system features an upgraded head type for 3D formation identical to the real image, ensuring stability and accuracy in inspection processes.

TROI 8800 CI Series Conformal Coating Inspection System:
The TROI 8800 CI Series Conformal Coating Inspection System, equipped with optional inline Coating Thickness Measure, offers reliable conformal coating inspection. With intuitive programming capabilities, the system can detect defects such as cracks, coating voids, and incorrect coating thickness (too-thin or too-thick) with precision and efficiency.

For more information about PEMTRON, visit <https://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).