



112 Lakefront Dr.
Hunt Valley, MD 21030-2215
www.ttci.com

Contact

Bert Horner, President
410-205-7300, Ext. 115
whorner@ttci.com

For Immediate Release

The Test Connection, Inc. Adds Creative Electron Prime TruVision™ X-ray and CT System for Deeper Failure Analysis

Baltimore, MD – March 2026 – The Test Connection Inc. (TTCI), a trusted provider of electronic test and manufacturing solutions for more than 45 years, has added the Prime TruVision™ X-ray and computed tomography (CT) inspection system from Creative Electron to its engineering and analysis services. The system allows TTCI to examine the internal structure of electronic assemblies with high-resolution imaging, supporting more detailed failure analysis and process investigation for its customers.

The Prime TruVision platform combines imaging software with a mechanically stable inspection platform designed for precision motion and repeatable results. The system supports 2D X-ray imaging, laminographic analysis, and full 3D CT scanning, allowing engineers to view internal structures such as solder joints, plated through holes, vias, and component connections without destructive cross-sectioning.

Using the system's imaging and reconstruction tools, TTCI engineers can evaluate voiding levels, inspect BGAs and QFNs, detect barrel cracks in plated through holes, and investigate structural defects that may affect long-term reliability. These capabilities allow engineers to analyze internal features of assemblies and identify manufacturing issues during failure analysis.



“At The Test Connection, Inc., we continuously invest in technologies that strengthen the value we bring to our customers,” said Bert Horner, President of The Test Connection, Inc. “The Prime TruVision system from Creative Electron combines powerful imaging software with exceptionally stable hardware, allowing our team to deliver advanced X-ray and CT inspection services that complement our electrical test capabilities. This investment supports our mission to help manufacturers improve quality, reliability, and root-cause analysis across their products.”

The X-ray and CT capability complements TTCl's electrical test engineering services, which include flying probe test, in-circuit test (ICT), boundary scan, and functional test development. Combining electrical validation with internal structural inspection allows TTCl engineers to investigate both electrical and physical causes of product issues within a single engineering workflow.

"TTCl's investment in our TruView Prime X-ray system strengthens their ability to perform deeper and faster failure analysis on complex electronic assemblies," said Bill Cardoso. "With higher resolution and rapid inspection capability, their engineers can pinpoint root causes more quickly and deliver more reliable insights to their customers."

"Creative Electron's Prime TruVision platform brings together powerful imaging software and robust hardware stability, giving our team a highly capable tool for advanced X-ray and CT inspection," Horner added. "By integrating this technology into our services, The Test Connection is expanding beyond traditional electrical test into deeper structural analysis of electronic assemblies. We see a strong growth pathway both within the CCA and PCB industries and in emerging sectors where non-destructive inspection plays a critical role in reliability and quality."

The system will be used across a range of applications including failure analysis, process validation, counterfeit component investigation, and reliability studies for high-performance electronics. Industries supported by TTCl include aerospace, defense, medical devices, and other high-reliability sectors where internal inspection is often required.

The Test Connection, Inc. will highlight its expanded inspection and test services at IPC APEX EXPO 2026, booth #3522.

To learn more about TTCl's test services, visit www.ttci.com.

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About The Test Connection Inc.

The Test Connection Inc. (TTCl) is a leading provider of electronic test and manufacturing solutions, serving a diverse range of industries. With a strong commitment to quality and innovation, TTCl also believes in giving back to the community through meaningful charitable initiatives. For more information, visit www.ttci.com.