

Aerospace Manufacturers Standardize Electrical Safety Testing Across Global Production Operations

Vitrek's electrical safety testers and QT Insite software simplify standardized testing, improve traceability, and support consistent manufacturing worldwide.

LOCKPORT, IL, UNITED STATES, August 13, 2026 /EINPresswire.com/ -- Vitrek, a leading manufacturer of precision test and measurement equipment, highlighted the growing importance of standardized electrical safety testing as aerospace manufacturers continue to expand production across multiple facilities worldwide. As aircraft systems become increasingly electronic and manufacturing operations become more globally distributed, manufacturers require consistent electrical safety testing procedures that improve product quality, simplify compliance, and ensure repeatable results across every production location.



Modern aerospace manufacturers face increasing pressure to standardize testing while maintaining complete electronic traceability. Manual test setup, inconsistent procedures, and paper-based documentation can introduce variability that affects production efficiency and quality. By automating test execution and data collection, manufacturers can improve consistency, reduce operator dependence, and establish repeatable testing processes throughout global manufacturing operations.

Vitrek's family of electrical safety testers, combined with QT Insite™ software, provides an integrated platform for dielectric withstand (hipot), insulation resistance, ground bond, and other electrical safety tests. Standardized test sequences, automated data logging, electronic reporting, and centralized test management enable manufacturers to deploy validated procedures across multiple facilities while reducing setup variability and strengthening quality documentation.

The solutions support production testing for a wide range of aerospace applications, including avionics, electronic assemblies, cable harnesses, power distribution systems, flight control electronics, and other mission-critical electrical products where repeatability and traceability are essential.

"As aerospace manufacturing continues to become more global, consistency has become just as important as measurement accuracy," said Ken Ameika, Vice President of Global Sales at Vitrek. "Manufacturers need confidence that every production facility is executing the same validated electrical safety tests while maintaining complete electronic traceability. Our electrical safety testing solutions help customers achieve that level of standardization while simplifying deployment across worldwide operations."

To help engineers implement these best practices, Vitrek has published a new aerospace application note, Standardizing Electrical Safety Testing Across Global Aerospace Manufacturing, demonstrating how a leading business jet manufacturer standardized hipot and insulation resistance testing for a newly developed electronic device deployed across multiple manufacturing sites. The application note illustrates how standardized procedures, automated reporting, and electronic data management improve manufacturing consistency while reducing operator variability.

Suzy Abbott
Vitrek
[email us here](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/930240647>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.