

For Immediate Release

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Datest to Highlight Advanced CT Scanning and Failure Analysis for Space Hardware at SmallSat 2026



Fremont, CA – August 11, 2026 – Datest, a leading provider of advanced test engineering, inspection, and failure analysis services, will exhibit at the 40th Annual Small Satellite Conference,

August 23–26, 2026, at the Salt Palace Convention Center in Salt Lake City, Utah. Attendees can visit Datest at **Booth #1241** to learn how advanced CT scanning, X-ray inspection, and failure analysis can support the reliability of increasingly complex small satellite and space hardware.

As small satellite platforms become increasingly capable, the hardware supporting them is also becoming more complex. Dense electronics, compact assemblies, advanced materials, additive-manufactured components, connectors, power systems, and other mission-critical hardware must perform reliably despite severe size, weight, and operating constraints.

At SmallSat 2026, Datest will highlight how advanced computed tomography (CT), X-ray inspection, and failure analysis can help engineers see inside critical hardware, identify hidden defects, validate assemblies, and investigate failures without relying solely on destructive inspection methods.

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Industrial CT scanning provides engineers with three-dimensional visibility into internal structures that cannot be evaluated through conventional visual inspection. Depending on the component and application, CT and X-ray techniques can be used to investigate conditions such as internal voids, porosity, cracks, inclusions, solder joint anomalies, connector issues, assembly defects, and other internal features that could affect performance or reliability.

For small satellite developers, this capability can be particularly valuable during design validation, prototype evaluation, supplier qualification, failure investigation, and pre-launch verification.

"Once hardware is launched, the opportunity to investigate or correct a problem changes dramatically," said Rob Boguski of Datest. "Our role is to give engineering teams better visibility into



what's happening inside their hardware so they can make informed decisions before it becomes a mission-level problem."

Datest's capabilities extend beyond imaging. By combining CT scanning and X-ray inspection with failure analysis, analytical laboratory services, and electronic test engineering, the company can help customers move from identifying an anomaly to understanding its potential cause.

This combination is particularly relevant as the space industry incorporates a wider range of manufacturing technologies and materials. Datest can inspect electronics and PCB assemblies as well as metallic, polymer, composite, and additive-manufactured components, allowing engineering teams to evaluate diverse hardware through a single inspection and analysis resource.

Datest supports customers throughout the aerospace, space, defense, medical, electronics, automotive, energy, and other high-reliability industries. The company is ISO 9001:2015 and AS9100D certified.

Attendees of SmallSat 2026 are invited to visit the Datest team at **Booth #1241** to discuss CT scanning, X-ray inspection, failure analysis, and test engineering applications for small satellite and space hardware.

For more information about Datest and its advanced test engineering and inspection services, visit: [Datest | Home](#)

About Datest

Based in Fremont, California, Datest has been a trusted partner in the electronics industry since 1984. With a commitment to speed and flexibility, Datest offers a comprehensive suite of advanced testing, engineering, inspection, and failure analysis services designed to meet each client's unique needs. Datest proudly serves contract manufacturers (CMs), EMS providers, and OEMs, delivering advanced PCBA testing and inspection services focusing on quality and reliability. As an ISO 9001:2015 and AS9100D-certified company, Datest is dedicated to helping you achieve success with solutions you can depend on.

For more information, **visit www.datest.com**