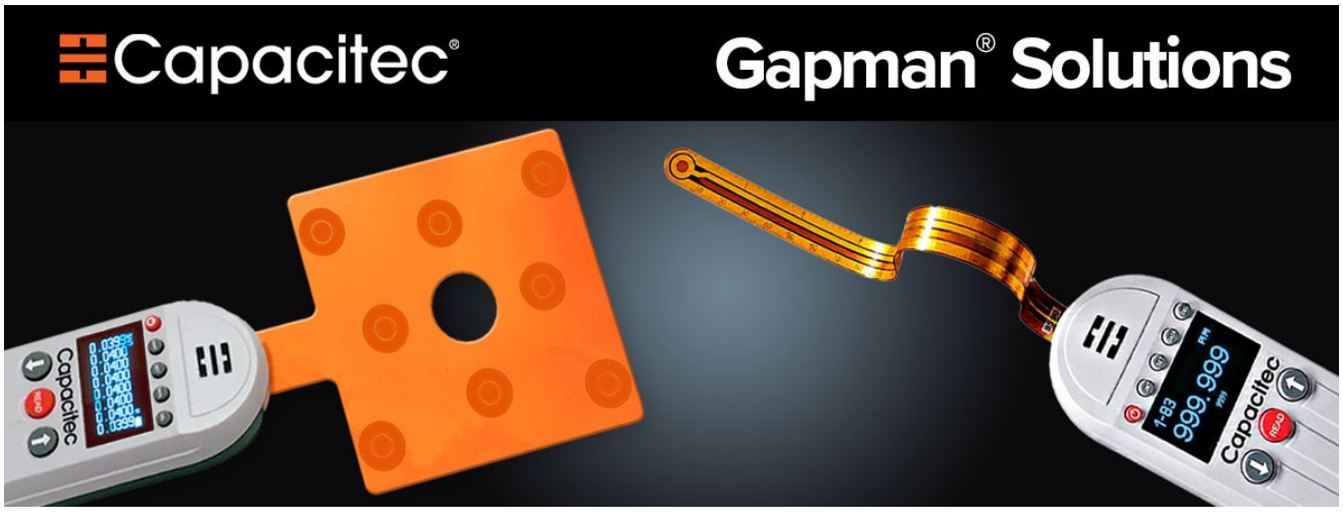


Gap Sensing Technology in eVTOL Manufacturing

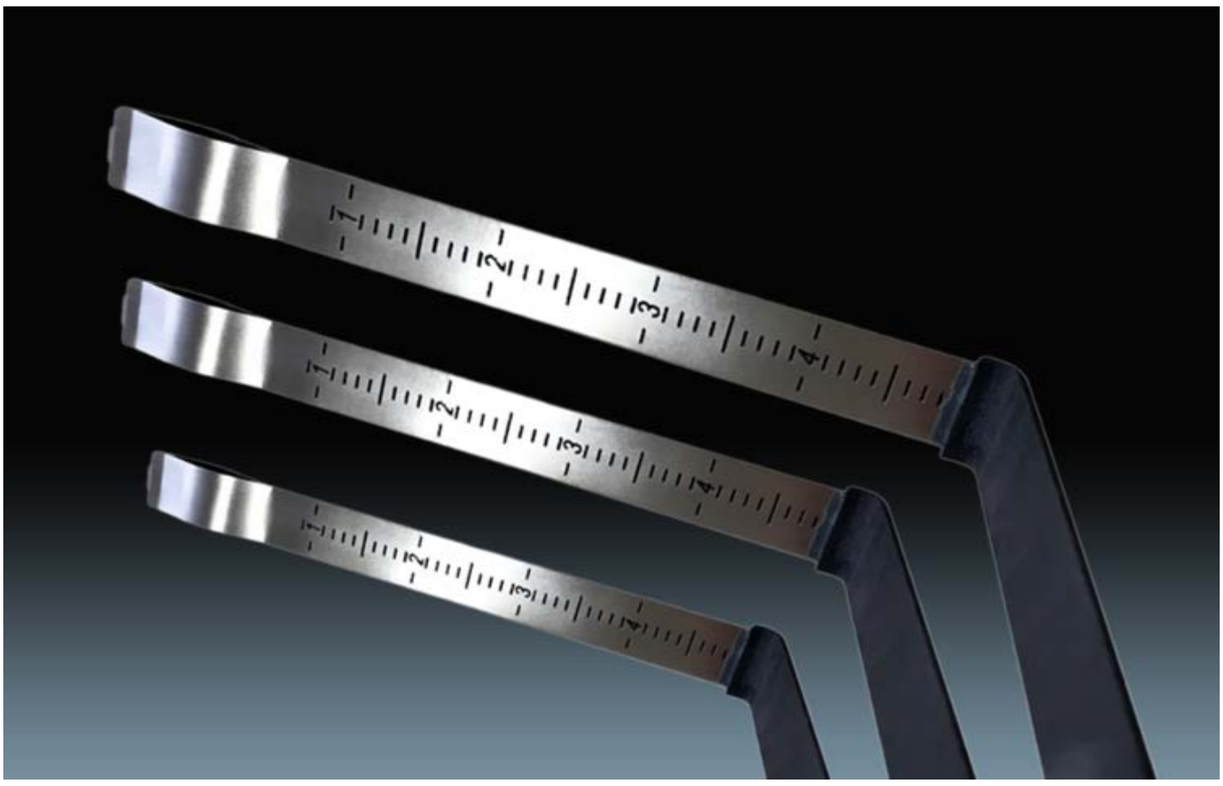
Capacitec's electronic gap sensing technology is used in eVTOL manufacturing of CFRP aircraft structures and electric motor concentricity. This precision gap measurement increases production speed, improves motor efficiency/power, quality traceability and safety.

Capacitec's Gapman® Gen4 replaces mechanical feeler gauges with high-precision, non-contact portable gap measurement technology. Gapman allows fast insertion into gaps down to 100 microns (0.004") which makes it ideal for aircraft wing and fuselage assembly operations as well as electric motor Rotor-to-Stator gap centering adjustment.

View the benefits that the Gapman® Gen4 delivers by replacing mechanical feeler gauges with high-precision, non-contact portable gap measurement technology.

Ideal Use Cases include aircraft wing and fuselage assembly operations and electric motor Rotor-to-Stator gap concentricity adjustments. (1.75 min)

Learn More



Gap Sensing for Conductive and Non-conductive Material Bond Locations on eVTOL Structures.

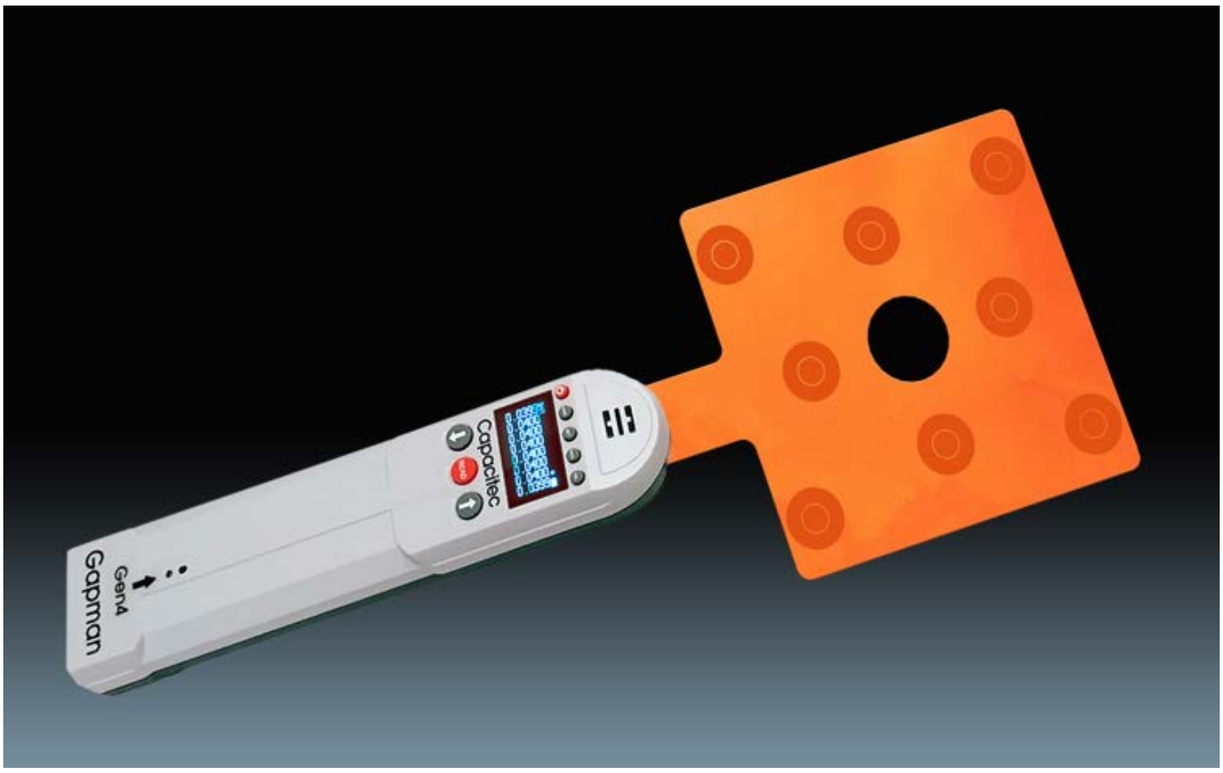
Capacitec's GPS series of Spring Contact Gap Sensors enables measurement of critical assembly gaps across conductive structures including aluminum, titanium, carbon fiber composites and non-conductive materials such as fiberglass and engineered plastics in hybrid aircraft structures — with repeatable accuracy and no additional parts grounding requirement.

Learn More

Rotor-to-Stator Precision Air Gap Verification

Gapman® Gen4 enables fast, repeatable verification of rotor-to-stator air gaps in high-performance electric motors. Precise control of smaller air gaps can increase magnetic force with better torque while reducing losses, helping improve motor efficiency, reliability, and production throughput.

Learn More



Capacitec’s Gapman® Gen4 is the Future of Precision Gap Measurement for Advanced Aerospace and Large Aircraft Joints.

The Gapman GEN 4MP supports custom design multi-point wands that can measure up to eight unique positions simultaneously and communicate location data for an entire shim area wirelessly via Bluetooth to shim fabrication. This increases positional reliability and efficiency for large multipoint shim assemblies.

Learn More

We invite you to explore the **Gapman Solutions** archive to see past issues of Gapman Solutions and how we’ve been advancing precision gap measurements and displacement systems. **Click Here** to see highlights of our many applications and diverse industry solutions.

Get in Touch

Ready to move beyond traditional feeler gauges?

Tell us About your Application

Capacitec's advanced gap measurement solutions deliver greater accuracy, reliability, and efficiency than those outdated mechanical options. Our application engineers are here to help you optimize your operations.

Email an Application Engineer: sales@capacitec.com

Explore our solutions: www.capacitec.com

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