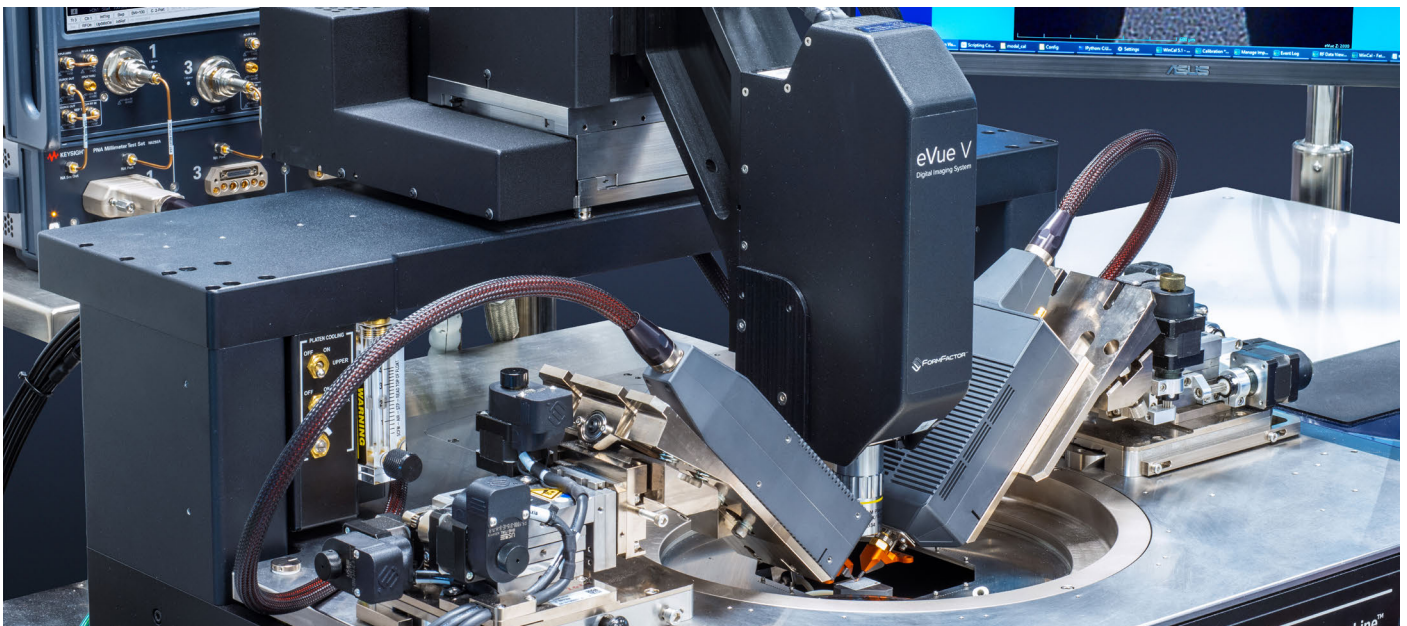


InfinityXF™: Integrated mm-Wave Test

Optimized Broadband 250 GHz Measurements

FormFactor's EVOLVITY™, SUMMIT200, and CM300 probe stations have been optimized to provide an ergonomic, stable, and repeatable platform for performing broadband on-wafer 250 GHz measurements with FormFactor's InfinityXF™ probes powered by Keysight's NA5305A/07A 170/250 GHz PNA-X frequency extenders.

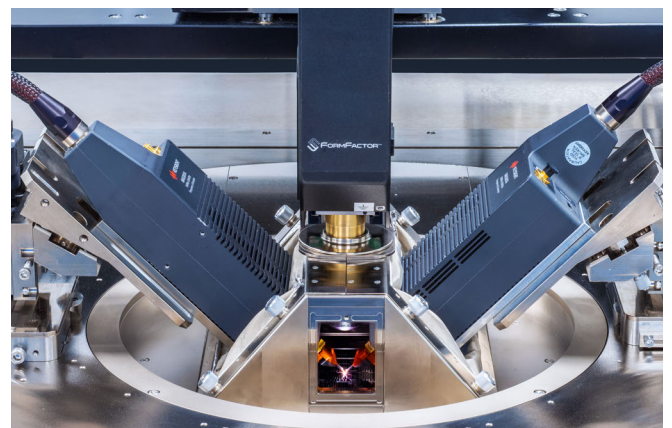
InfinityXF is ideal for broadband modeling validation measurements, high-speed multi-gigabit digital communication systems such as PAM4 448 Gb multi-channel modulation and PCIe Gen6, as well as other high-bandwidth digital signaling, high-frequency advanced wireless system development, and many other applications. To learn more about InfinityXF, download our [data sheet](#).



Thermal Solutions

InfinityXF is fully compatible with the open-top IceShield™ insert as well as the new enclosed thermally stable EMI-shielded RF K250 TopHat for over temperature measurements.

- IceShield provides an unencumbered open-environment for ergonomic access to probes and positioning mechanics. An ideal approach for simplifying over-temperature 250 GHz applications.
- Our newly developed 250 GHz TopHat provides a fully enclosed EMI-shielded and temperature-stable approach for the most demanding applications.

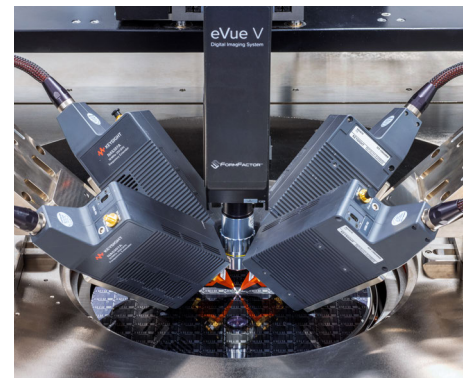
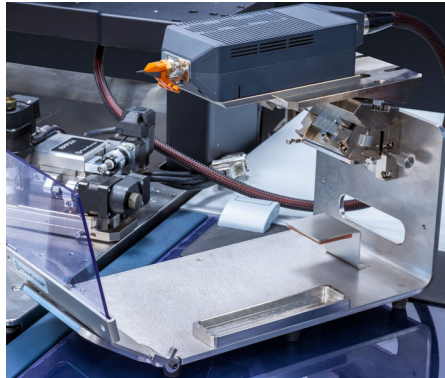
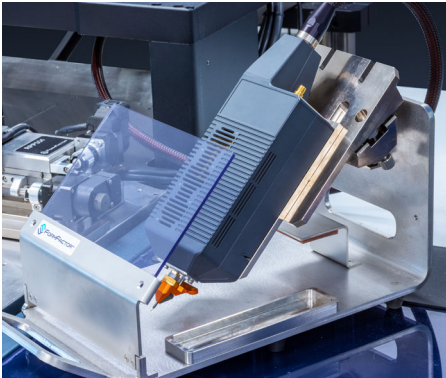


"InfinityXF delivers a streamlined and efficient solution for high-frequency wafer probing."

Modular RF Arms and Storage Pods

Based on FormFactor's modular RF arm platform, the RFA-K250 probe arms offer both, single-ended and differential probe mounting schemes. FormFactor's RFA dovetail mount allows the RFA-K250 probe arms to be securely and quickly mounted on RPP404 manual and RPP504 motorized positioners as well as Storage Pods. The RFA-K250 probe arm was designed for a direct-dock mounting scheme, which provides the shortest signal path to your DUT for the most accurate measurements.

Storage Pods offer a safe and ergonomic solution for storing fully populated RFA-K250 probe arms when not in use. Each Storage Pod comes with a horizontal adapter that simplifies mounting your InfinityXF probes.



Fully populated RFA-K250 arms when not in use live safely in a Storage Pod protecting your investment and allowing for fast application swaps.

Autonomous RF and WinCal

FormFactor pioneered the first truly autonomous RF probing application layer which has become an industry standard in throughput and measurement repeatability. Autonomous RF and the latest advancements in WinCal – including our new Modal Calibration algorithm which corrects for tip to tip crosstalk in GSSG probe configurations – allows engineers to maximize the uptime of their 250 GHz testing. Follow these links to learn more about [AutoRF](#) and see the latest advancements with [WinCal](#).



Ease of use

Effortless RF calibration to 250 GHz with a **single button**, saving expert time.



Reduced Soak Time

Auto probe re-alignment cuts down time and **boosts throughput**.



Unattended Use

Run measurements overnight, testing all wafer devices at varied temperatures **without operator intervention**.



Automatic Calibration

Monitors drift and **re-calibrates** when limits are exceeded

Optical Applications

InfinityXF is engineered for seamless integration with FormFactor's Silicon Photonics application layer, tackling the most challenging optical-electrical (OE) and electrical-optical (EO) circuit designs with ease. Its flexible architecture allows mounting on the East, South, or West of your DUT to accommodate diverse layouts. When combined with our Autonomous Silicon Photonics and Autonomous RF, InfinityXF accelerates time-to-data with unmatched reliability – helping you bring next-generation photonic and RF solutions to market faster. See how FormFactor is revolutionizing [Silicon Photonics](#) testing.

