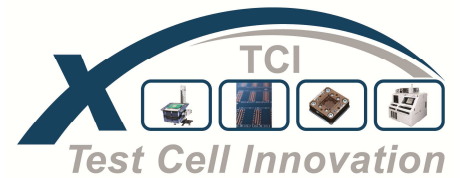


Test Cell Solution for MEMS ICs



Highest parallelism and best stimulus quality for MEMS test

Xcerra Test Cell Innovation

Leveraging Leading Test Solutions to Address Today's and Tomorrow's Challenges

- Improve productivity beyond the limits of conventional approaches
- Improve flexibility and agility to react to fluctuating and fast ramp-up demands
- Gain competitive advantage by focusing resources on new, disruptive technologies



Flexible and scalable InStrip handler platform



Modular MEMS options



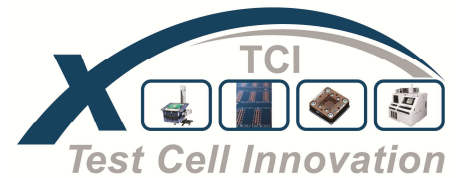
Diamond_x for low CoO and high parallel test efficiency

Customer Benefits

- Fastest time to volume and peak productivity
- Highest accuracy for MEMS stimulus and tri-temp control to improve yield
- Industry-leading parallelism and UPH for MEMS test



Test Cell Solution for MEMS ICs



Highest Parallelism, Lowest CoT and Highest UPH Test Cell

Highest Parallelism and UPH

- Test more than 200 sites in parallel
- Better than 99.5% PTE
- Reliable strip handling for higher OEE

InStrip Flexible Handler Platform

- Modular system supporting wide range of MEMS applications
- InCarrier for singulated MEMS test with strip-like parallelism and reliability
- Supports smallest packages and WLCSP
- Up to 1200 or 2400 I/O, covering widest range of parallelism
- -40°C to +125°C (Optional: 150°C) for automotive applications

Diamondx Next-Generation SOC ATE

- High density Digital, DC, MXSL or RF
- IMA scalability for highest parallelism
- Lowest Cost of Ownership (CoO) for SOC test

Full Ownership of Interfacing and Signal Management

- Integrated reference sensors for highest stimulus and temperature accuracy
- Sensor stimulus with leading-edge settling times versus competitors
- Integrated and pre-validated test cell for fastest time to volume and target OEE/yield

Complete MEMS Test Cell with Closed-Loop Stimulus and Tri-Temp Control



High parallelism MEMS Stimulus Options

- **InFlip M**
for 6DOF Accelerometer and Magnetometer
- **InGyro M**
for 6/9DOF Gyroscope, Accelerometer and Magnetometer
- **InPressure**
for TPMS and absolute pressure sensors up to 20 bar
- **InBaro**
for absolute barometric pressure sensors
- **InHumid**
InBaro upgrade for humidity sensors and 3D environmental MEMS
- **InPhone**
for MEMS microphones
- **InOptic**
for light, UV, IR and reflection sensors

