



# TEMPERATURE AND HUMIDITY TEST SERVICES

- HIGH / LOW TEMPERATURE STEADY STATE
- IN-HOUSE THB / HAST BOARD DESIGN
- HIGH ACCELERATED STRESS TEST - HAST
- TEMPERATURE / HUMIDITY / BIAS
- CYCLIC AND CONSTANT CLIMATE STRESS
- MOISTURE SENSITIVITY LEVEL PRECONDITIONING

# TEMPERATURE AND HUMIDITY TEST SERVICES



## HIGH / LOW TEMPERATURE, STEADY STATE

- Hot and Cold air ventilation
- Stabilization Bake endurance test
- Wide range: Hot up to +350°C, Cold down to -70°C
- Optional Nitrogen purge for low Oxygen tests
- Optional DC bias application to test objects
- Tests in compliance with EN ISO/IEC 17025 accreditation (\*)



## HIGH ACCELERATED STRESS TEST - HAST

- Pressure Cooker based unsaturated steam test
- Up to 72 DC bias connections and +140°C / 4 bar
- +130°C/85%rh/bias for fast test compared to THB
- +110°C/85%rh/ bias condition for green compounds
- Proprietary voltage/current monitoring system
- Tests in compliance with EN ISO/IEC 17025 accreditation (\*)



## TEMPERATURE / HUMIDITY / BIAS - THB

- Accelerated corrosion test on plastic IC's
- Moisture level control range: +10°C / +90°C, 10% to 90% rh
- Two feedthrough ports per chamber
- Moisture Resistance test with cold step down to -10°C
- Multiple systems with 50ltr to 300ltr test area
- Tests in compliance with EN ISO/IEC 17025 accreditation (\*)



## MOISTURE SENSITIVITY LEVEL PRECONDITIONING

- Preconditioning prior to JEDEC/Q100 environmental tests
- MSL-1 to MSL-6 settings available
- 100 ltr test area per system, multiple systems
- Procedure with SAM inspection and optional TCY
- Convection Solder simulation exposure up to +260°C peak
- MSL number evaluation according IPC J-STD-020

(\*) For our EN ISO/IEC 17025 accreditation scope please check our website or [www.rva.nl](http://www.rva.nl) (L388).