



# THERMAL CYCLING & SHOCK TEST SERVICE

- AIR-TO-AIR THERMAL
- LIQUID-TO-LIQUID THERMAL SHOCK
- TWO CHAMBER ELEVATOR SYSTEMS
- SINGLE CHAMBER FAST CYCLING
- UNIQUE +300°C HIGH TEMPERATURE

# THERMAL CYCLING & SHOCK TEST SERVICE



## AIR-TO-AIR THERMAL CYCLING

- Two chamber, elevator based ESPEC systems
- Multiple systems available
- Wide temperature range, -65°C to +275°C
- Two product test area sizes, <5kg and <25kg
- Tests according JEDEC/AEC /MIL/IEC standards
- Thermal cycling tests in compliance with EN ISO/IEC 17025 accreditation (\*)



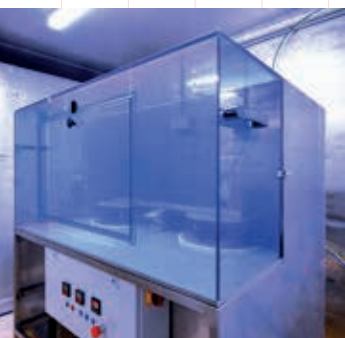
## LIQUID-TO-LIQUID THERMAL SHOCK

- Two bath, robotic arm systems
- Inert test liquids
- Wide temperature range, -65°C to +150°C
- Liquid regeneration system
- Tests according JEDEC/AEC/MIL/IEC standards



## SINGLE CHAMBER FAST TEMPERATURE CYCLING

- Fast temperature cycling without DUT movement
- Single chamber allows complex cabling for device control
- (Power) Temperature Cycling test from 5K/min up to 15K/min
- Test according JEDEC-47 and Q100 standards up to +150°C
- PTC tests in compliance with EN ISO/IEC 17025 accreditation (\*)



## AUTOMOTIVE LIQUID THERMAL SHOCK

- Dedicated system for fuel and oil shock test
- Special test area to avoid test area contamination
- Two stage heating/cooling bath, robotic arm system
- Wide temperature range, -40°C to +150°C
- Nitrogen purge to avoid icing and cracking of oil
- Fully automatic temperature and cycling control

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