



ENVIRONMENTAL TESTING

Description

CSA Group Leyland has environmental chambers ranging from 1m³ to a full drive in, supporting test samples from component level right up to full vehicle. Our selection of chambers can conduct various climatic tests with a number of these chambers forming part of our ISO 17025 accredited testing services, assuring a high quality service. Our flagship chamber, the recently upgraded drive-in, now boasts a new dehumidification function, vehicle hoisting ability, a new control room / work station and increased temperature capabilities.

Typical Applications

Interior / exterior trim at Design Verification and Product Validation levels, cold starting, heat ageing, humidity, solar loading, thermal shock, environmental cycling.

Equipment & Facilities

- Drive-in: – Chamber size: 3.3m high x 4.3m wide x 6.3m long
- Door dimension: 3.3m high x 4m wide
- Temperature range: -50°C to 120°C
- Humidity range: Up to 99%RH over 10°C to 75°C with dehumidification function
- Load bearing: 8 tonnes
- Vehicle hoisting capability (front & back)
- 20 KW heat rejection at -20°C
- Modular solar loading with individual lamp adjustment
- Other chambers 1m³ to 31.5m³
- Data acquisition / analysis
- Bespoke rig design and build
- Flexible modular construction
- On-site calibration
- On-site instrumentation