

R100 as a small satellite AIT facility

Facilities available for small satellite AIT and considerations that need to be taken into account.

All facilities (except the Vibration Facility):

- 1) Are either class 5 (100) or 6 (1,000) standard and are temperature and humidity controlled.
- 2) Have card access control.
- 3) Have window blinds

Unloading Area

- Clean room standard not specific, but expected to be class 8 (100,000)
- Crane capacity is 10 Tonnes
- Crane hook height is 11,25m
- Access door from building entrance airlock – size 6.0m wide x 6.1m high

Clean Rooms

- Clean Rooms are available on a case by case basis
- Each clean Room has a floor area of 90m²
- Crane capacity for Clean Rooms 1, 3 & 5 is 1 Tonne
- Crane hook height is 3.078m
- Access doors - size 2.0m wide x 2.4m high

Vibration

- Clean room standard not specific, but expected to be class 8 (100,000) – test items normally bagged
- Shaker thrust 67kN
- Shaker load capacity 1 Tonne
- Crane capacity is 1 Tonne
- Crane hook height is 5.388m
- Access doors – size 3.5m wide x 3.5m high

Thermal Vacuum – Small up to 1m Diameter

- Clean rooms standard of class 6 (1,000)
- No overhead cranes
- Access doors – size 2.0m wide x 2.4m high

Space Test Chambers – 5m Diameter x 6m long

- Clean rooms are class 6 (1,000) with a smaller area at class 5 (100)
- Crane capacity is 5 Tonnes
- Crane hook height is 9.0m
- Access door – size 6.0m wide x 6.1m high