

CATEGORIES

- Automotive
- Aerospace
- Defense
- Industrial

Sand & Dust

ENVIRONMENTAL SIMULATION

// Sand & Dust

Blowing dust / blowing sand tests are executed to judge the influence of dust and / or sand on various objects. These tests may cause different types of failure, such as:

- Penetration into cases or housings
- Change of electrical properties (faulty contacts, change of contact resistance, change of comparative tracking index, etc.)
- Jamming or stiffening of movable parts (bearings, axles, pivots, etc.)
- Surface abrasion
- Damage to optical surfaces
- Contamination of lubricants
- Obstruction of ventilation inlets / outlets, pipes, filters, openings etc.

Technolab is proud to operate one of the largest privately operated and owned blowing sand and blowing dust chambers in the world.

Our largest chamber is a twin-fan blowing sand chamber with dimensions of 3.000mm x 2.800mm x 3.000mm.

STANDARDS

- MIL-STD 810
- RTCA DO-160
- AECTP 300-3
- IEC 60068-2-68

Additionally we work with numerous customer specific standards from the automotive, aerospace and defense sectors.

