



ACOUSTICS PERFORMANCE SPECTRUM



SEMI-ANECHOIC CHAMBER

- internal dimensions (L × W × H):
 10,6 m × 6,6 m × 4 m
- lower limit frequency of 50 Hz
- certified according to ISO 26101 (accuracy class 1)



AIRFLOW RESISTANCE

- acoustic measurements on porous / open-cell material samples
- sample conditioning in standard climate
- · certified according to ISO 9053, method A



TRANSMISSION-LOSS

- testing options: absorption / sound transmission loss
- measurements on material samples with a diameter of 50mm / 100mm
- frequency range: 50–2.750Hz



ALPHA CABIN

- measurement of absorption coefficient α
- · sample conditioning in standard climate
- frequency range: 400Hz-10.000Hz
- sample dimensions: 1200 mm × 1000 mm
- certified according to ISO 354:2003



TESTING STANDARDS

- ISO 3744-3746 (accuracy class 1-3)
- standards adaptable to sample specifications and testing purpose (e.g. DIN EN ISO 2151)
- individually planned measurements according to customer specifications



SHAKER

- 40 kN (sine / random)
- 2 inch displacement (51 mm)
- frequency range: 0-2,5 kHz
- horizontal/vertical testing possible
- triaxial measurements



CLIMATIC CHAMBER

- temperature range: -70°C to +180°C
- temperature gradient: 5 K / min
- humidity: 10 %–95 % rHd
- internal dimensions (L × W × H):
 125 cm × 125 cm × 105 cm
- · product validation / durability testing



BSR-/ MODAL SHAKER

- low-noise vibration testing
- 1,2 kN (sine / random)
- · vibration testing of foam materials
- buzz, squeak and rattle testing





- automotive: full vehicle, subsystems and components
- industry, household appliances and consumer electronics



TESTING EQUIPMENT

- Müller-BBM PAK MKII, up to 192 channels
- Siemens LMS Test.Lab
- ICP, Charge, Tacho, CAN etc.
- accelerometers, force sensors, free-field microphones ½" and ¼", artificial head

LOCATIONS NEARBY

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