

ARRIK



ENGINEERING DIVISION

ACOUSTICS

SOUNDTESTING

ENGINEERING

DEVELOPMENT

arrk-engineering.com

SEMI-ANECHOIC CHAMBER



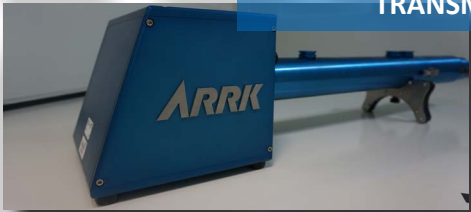
- internal dimensions (L × W × H): 10,6 m × 6,6 m × 4 m
- lower limit frequency of 50 Hz
- certified according to ISO 26101 (accuracy class 1)

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
- measurements according to various OEM standards
- 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



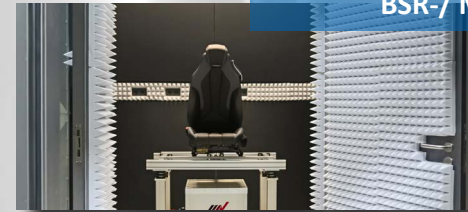
- 40 kN (sine / random)
- 2 inch displacement (51 mm)
- frequency range: 0–2,5 kHz
- horizontal/vertical testing possible
- triaxial measurements

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

STRUCTURE- AND AIR-BORNE NOISE



- 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

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