

K&STLE KαBIN
SELF CONTAINED ACOUSTIC TEST FACILITY

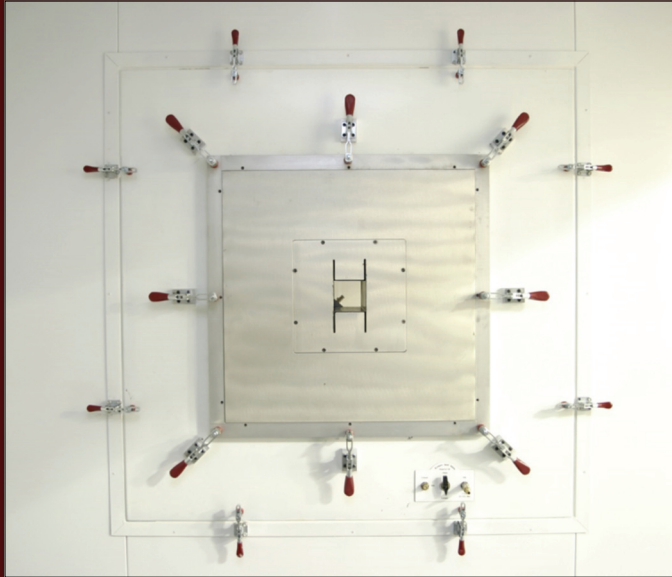


25 M³ FULLY QUALIFIED ACOUSTIC TEST FACILITY

- Two Configuration Options:
 - I. Single Chamber (Reverberation Room Alone)
 - II. Dual Chamber (Reverb Room Coupled To a Quiet Room)
- Random Incidence Sound Absorption Testing per SAE J2883
- Sound Transmission Loss Testing per SAE J1400
- Body Cavity Filler Insertion Loss Testing per SAE J2846
- Sound Pressure Level Measurements
- Sound Power Level Measurements
- National and International Delivery/Installation

K&STLE KaBIN®

25 M³ SELF CONTAINED ACOUSTIC TEST FACILITY



- Small Volume (25 m³) Reverberation Room with a cut-off frequency of 250 Hz for Random Incidence Sound Absorption (R α) measurements of ~1.2 m² sample following the procedures of SAE J2883
- 25 m³ Reverberation Room coupled to a Quiet Room for conducting Sound Transmission Loss (STL) measurements of 0.6 m × 0.6 m samples using a pneumatically sealed, vertical STL sample-holding fixture following the procedures of SAE J1400
- Body cavity filler channel Insertion Loss (IL) measurements (800 Hz to 8000 Hz - based upon 0.075 m × 0.075 m channel)
- Weather seal Insertion Loss / STL measurements
- Insertion Loss / STL measurements of pass-throughs

- Reverberation Room Sound Power Level measurements of small acoustic sound sources in the frequency range of 250 Hz to 8000 Hz
- Anechoic Room Sound Power Level measurements in the frequency range of 300 Hz to 8000 Hz
- Free-field Sound Pressure Level measurements in the frequency range of 300 Hz to 8000 Hz
- Suitable for testing components, parts, or a subsystem e.g. headliners
- Includes reference STL and R α samples for validation of test results
- Optional customized data acquisition hardware and data processing software



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