

Acoustic testing

Written by content

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Service

Noise control materials can be tested in terms of their sound absorption and transmission properties in a plane wave tube to guarantee highly repeatable test conditions. This provides information of materials' acoustic properties for validating and calibrating computational methods used to predict the acoustic performance of multi-layer systems.

Features

- Comprehensive solution for evaluating both sound absorption and sound transmission properties
- Determination of normal incidence absorption coefficient and normal specific impedance based on ISO 10534-2 and ASTM E1050 and ASTM E2611
- Measurement data and results can be conveniently saved to familiar Microsoft® Excel workbooks for customized reporting and further post-processing
- PULSE platform ensures exceptional measurement accuracy.

Uses

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- To develop noise control products
- To verify compliance with specifications
- To benchmark competitive products
- To help select the most adequate treatment
- To provide input information to analytical and numerical tools (for example, FEM, BEM, SEA) for the prediction of sound field in acoustic cavities

(for example, vehicle cabin noise, aircraft cabin noise)

(Source : <http://www.bksv.com/applications/materialtesting/acousticmaterialtesting.aspx>)

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