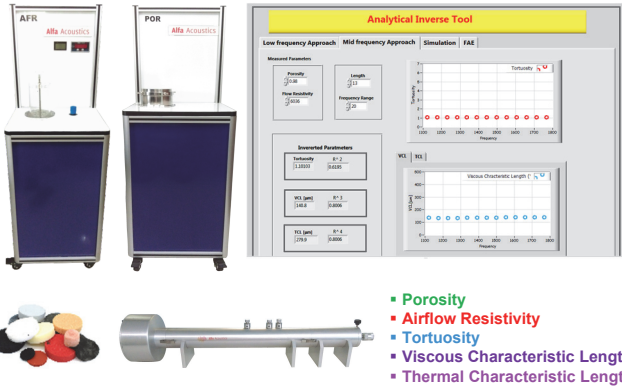
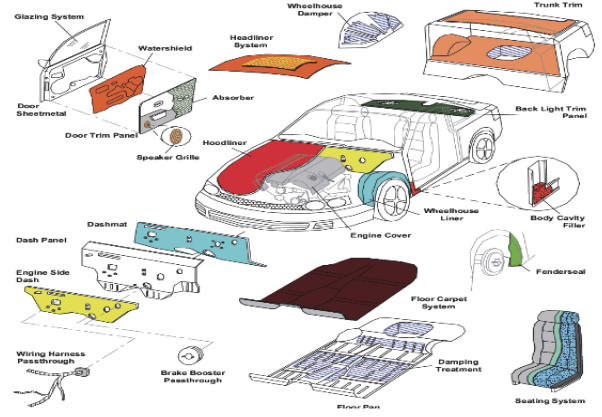


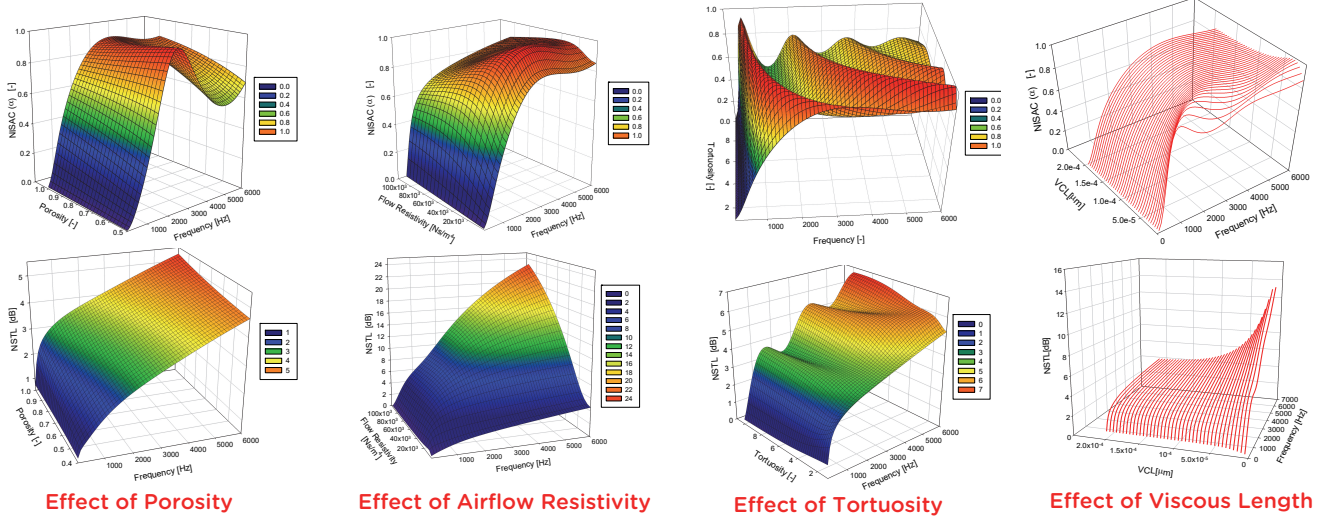
## Inverse Characterization for Intrinsic Physical Parameters



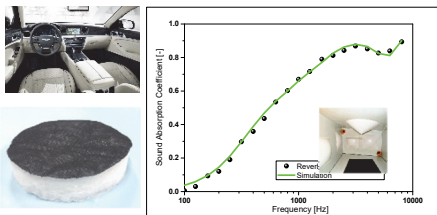
## Sound Package Materials-Automotive



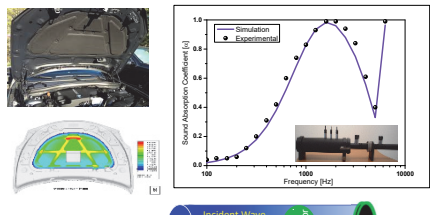
## Effect of Intrinsic Parameters on Sound Absorption and Sound Transmission Loss



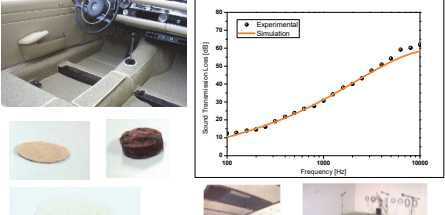
## Simulation of Cotton Shoddy - Sound Absorption



## Simulation of Hood Insulator- Sound Absorption



## Simulation of Vehicle Carpet-Transmission Loss



Sound Absorption and Transmission Loss

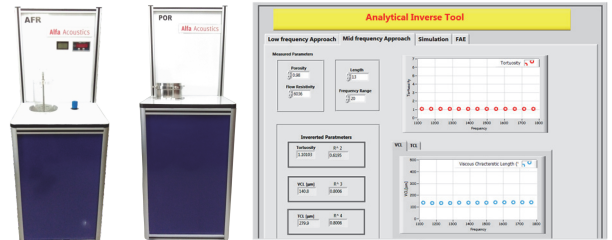


Two and Four Microphone Impedance Tube as per ISO 10534-2 / ASTM E1050 / ASTM E2611



Small Reverberation Chamber for diffuse field sound absorption measurements as per SAE J2883

Measurement Systems

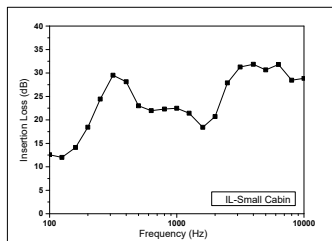


- Porosity
- Airflow Resistivity
- Tortuosity
- Viscous Characteristic Length
- Thermal Characteristic Length

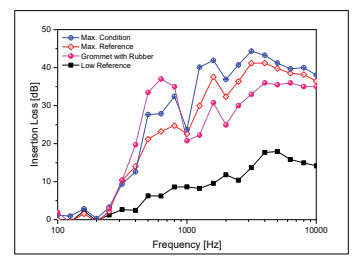
Acoustic Performance of Cavity Fillers and Grommets - Acoustic Cabin

- Sound Insertion Loss Measurement of Sound Package Treatments
- SAE J2846 – Laboratory Measurement of the Acoustical Performance of Body Cavity Fillers
- Grommet and Sealing system Testing as per PSA B65 4250 / Renault D45 2019

Acoustic Cavity Fillers Testing - Acoustic Cabin



Acoustic Transparency Testing - Acoustic Cabin



Customized Test Facility and Simulation Softwares

- Alfa Acoustics can help in design and development of in-house test facility and customized softwares for its customers which can predict acoustic performance of materials.

