

**Valeo has developed a comfort laboratory providing resources and facilities to assess end user comfort**

## KEY BENEFITS:

- Customer expectations meet with locally adapted solutions through a worldwide R&D network (United States, Germany, Japan, France)
- Best in class acoustic solutions and quality control through "end of line" testing
- Improved air quality in the cabin by reducing HVAC odors



Standard computer interface

## MISSION:

- Establish standardized test procedures and specifications
- Validation and expertise
  - Manage tests and calculations processes
  - Correlate subjective and objective measurements
  - Compare component and system approach
- Benchmarking (Unit, system and vehicle)



End of line control

## TECHNOLOGY:

- Multi-disciplines testing: Combine acoustic, fluid dynamics, mechanics, thermal, material and bio-chemistry domains
- Dedicated tests benches: Blower bench, climatic and acoustic comfort bench, odors analysis cabins
- Tools analysis: Sound camera, psycho-acoustic



Simulation and tests