



## ANECHOIC CHAMBERS

VG Engineering Inc. designs, fabricates and installs full and hemi-anechoic chambers to meet user and internationally recognized specifications.

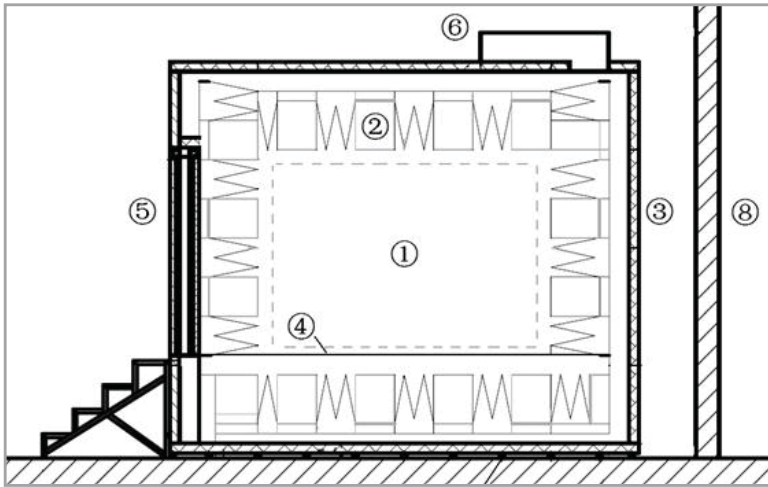
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Our modularized anechoic chambers can be assembled & dismantled for easy relocation without change to acoustic performance.

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### Features of Anechoic Chambers include:

- Modular designs allow for easy assembly and multiple relocation where required. All components of our anechoic chambers are reusable.
- Acoustic wedges are available in a number of finishes and colors to suit required attachment, acoustic performance and architectural requirements.
- Independently tested and certified acoustic components.
- Full anechoic chambers feature suspended cable or grid based non-reflective floor systems to simulate “free field” conditions.
- VGE sound-insulated wall and ceiling panels provide high Transmission Loss ratings equal to brick or concrete wall performance, with less weight for reduced foundation requirements. Single or double wall and ceiling configurations available.
- VGE acoustic wedges provide low frequency cut-off in accordance with specification requirements and are constructed from a number of materials including: open cell acoustic foam, fibrous material protected by wire mesh and fiberglass cloth or perforated sheet metal.
- Vibration isolated floor systems
- Ventilation and power systems where required
- Commissioning services provided as required



# ANECHOIC CHAMBERS

Anechoic chambers are normally constructed as a room-within-a-room (an inner room within an outer one). The inner room is installed using VG Engineering Inc. modularized acoustic panels. The inner room is assembled on anti-vibration mounts to isolate the room structure. Acoustic wedges are attached to the inside walls, floor and ceiling of the inner room. Silenced ventilation systems, lighting and power supply systems are designed to customer specific requirements.

## BASIC STRUCTURE OF AN ANECHOIC CHAMBER

- ① FREE FIELD
- ② WEDGES
- ③ VGE MODULARIZED INNER ROOM
- ④ SUSPENDED FLOOR
- ⑤ ACOUSTIC DOOR
- ⑥ VENTILATION SYSTEM
- ⑦ VIBRATION ISOLATOR
- ⑧ OUTER ROOM



**APPLICATIONS INCLUDE:** INSTRUMENTATION TESTING | CONSUMER PRODUCT DEVELOPMENT | R & D DEVELOPMENT  
VEHICLE NVH TESTING | ANCILLARY EQUIPMENT TESTING | CLINICAL AUDIOLOGICAL TESTING