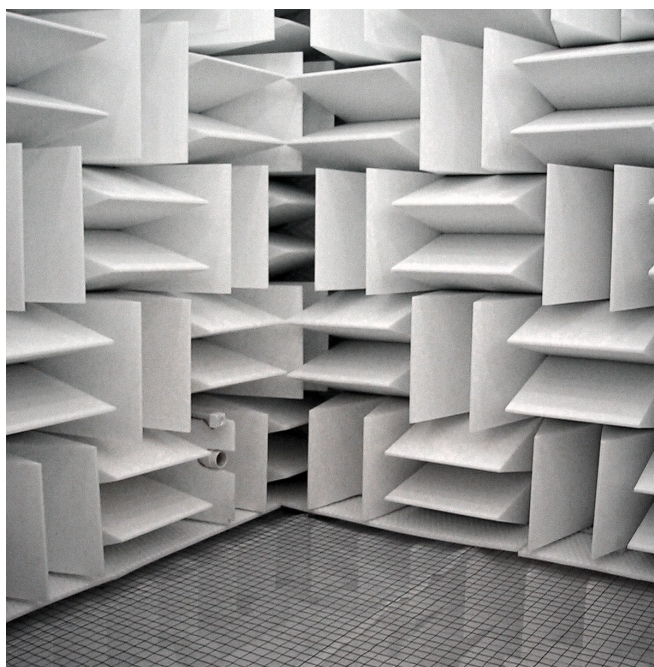


Features:

- 80 Hz to 20 kHz
- 1 m to 2 m Radius Spherical Free Field
(Custom sizes also available)
- Precision-Grade Testing
- Audio Testing
- Noise Emission Testing
- Low-Noise Testing



An ETS-Lindgren Anechoic Test Chamber

ETS-LINDGREN ANECHOIC CHAMBERS

provide a precision-grade free-field environment used to measure sound source directivity, frequency response, and noise emissions from spherically radiating sound sources. Some examples of devices that require an anechoic environment include loudspeakers, microphones, and telephones.

An ETS-Lindgren anechoic chamber provides engineered features that achieve outstanding performance results and goals without compromising acoustical concepts and budgets.

DESCRIPTION

ETS-Lindgren's anechoic chambers have a high-performance wall panel system that provides the low-noise environment required to test today's low-noise products. A precision-grade free-field environment is a product of the anechoic chamber's sound absorption system that consists of white melamine wedges installed on a patented clip system that provides fast wedge installation and removal. Unlike other wedge solutions, melamine wedges provide a bright and fiber-free working environment.

FEATURES

Frequency Range

ETS-Lindgren offers a wide range of standard anechoic chambers to meet client needs. Standard chamber models have low-frequency cut off points of 80 Hz, 100 Hz, and 250 Hz. Custom chamber designs to meet other performance specifications are available.

Free-Field Region

Standard ETS-Lindgren anechoic chambers have free-free field regions with a 1 m to 2 m radius. Custom size free-field regions are available.

Precision-Grade Testing

ETS-Lindgren's standard anechoic chambers are designed to comply with ISO 3745 free-field limits for both broadband and pure tone testing.

APPLICATIONS

ETS-Lindgren anechoic chambers are designed for applications that require precision-level acoustic measurements need to optimize product design and performance of:

- Loudspeakers
- Microphones
- Cell Phones
- Information Technology Equipment (e.g. computers and routers)
- Automobile Components

Applicable Test Standards:

- ISO 3745
- ANSI S12.55

STANDARD CONFIGURATION

- Removable grating floor with pedestals
- Modular steel isolated floor
- ETS-Lindgren's patented wedge clip system (wall and ceiling only)
- Ventilation silencers for HVAC or fan applications (wall, ceiling, or internal mounting)
- Sealed incandescent pendant lamps
- Test-In-Progress light
- Acoustically treated cable penetrations (1 inch and 2 inch)
- Engineered and designed to host-site ambient conditions
- Design based on performance data that conforms with ISO 3745 free-field requirements

OPTIONAL EQUIPMENT

- Tensioned cable floor (replaces removable grating floor and pedestals)
- Isolated concrete slab beneath modular steel floor for low-noise applications
- Equipment mounts (wall, ceiling, or floor)
- Automatic door operator
- Access hatches
- Exhaust fan (gas evacuation)
- Transmission loss aperture
- Fiber optic lighting
- Special door hardware

FIELD VERIFICATION

ETS-Lindgren can perform an on-site chamber performance verification of interior ambient noise levels and free field quantification.

- Pre-sale site noise survey that determines required noise reduction to meet ambient design goals. (The cost of the site survey can be applied toward the purchase price of the chamber.)
- Identification and risk analysis of airborne and structure-borne threats
- Measure and evaluate host conditions
- Can combine measurement hardware and software with the chamber for a complete turn-key solution