

## Anechoic and Hemi-Anechoic Test Chambers

Acoustic Systems' chambers are fabricated using modular steel panels and enclosure components. Chamber components are laboratory tested to ensure high levels of noise and vibration isolation required for construction of state-of-the-art acoustic test facilities. Both single and double wall chamber designs are available to meet most any acoustic isolation requirement.



Acoustic Systems' chambers utilize ASTM E84 Class 1 fire-rated and "fiber-free" melamine foam wedge tips mounted on a modular base panel to provide 99% normal incidence sound absorption at and above the design cutoff frequency. The melamine foam wedges provide a clean, bright working environment in these precision chambers. The Acoustic Systems' patented mounting system allows for easy, rapid, and affordable replacement of wedges, if needed. Chamber cutoff frequencies from 63 Hz are available.

Each Acoustic Systems' chamber is designed to meet the specific needs of the client. Chamber size, layout and cutoff frequency are determined based on information concerning the measurement application, guidance provided by industry standards, and the extensive acoustic measurement experience of our staff. Acoustic Systems can provide Anechoic and Hemi-Anechoic Chambers to meet most any product noise test code and industry acoustic test standard such as ISO 3744, ISO 3445, ISO 7779, ANSI S12.54, ANSI S12.55 and ANSI S12.10.

*Acoustic Systems' Anechoic and Hemi-Anechoic Test Chambers provide free field test environments for:*

- *Measurement of noise emissions from products and equipment*
- *Frequency response and directivity of sources and transducers*
- *General acoustical research activities*



Used with permission. Toro©

*Acoustic Systems manufactures a wide range of modular acoustic enclosures for research institutions and industrial programs. The enclosures offer varying levels of acoustic performance, variations in floor plans, and numerous appearance options. Factory trained sales and service representatives will help you plan your project. Acoustic Systems maintains a NVLAP accredited laboratory (NVLAP Lab Code 100286-0) for constant product research and performance assurance.*

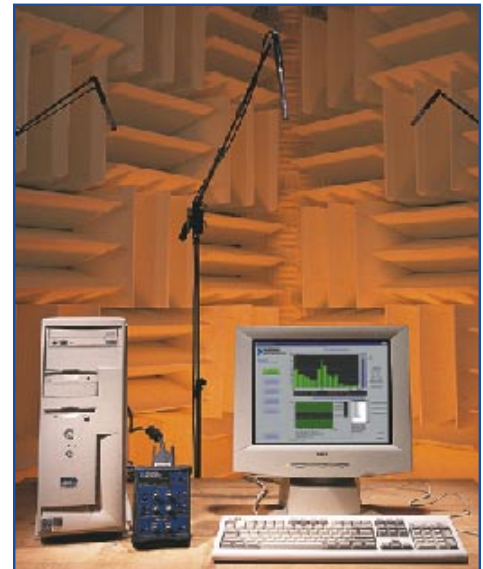
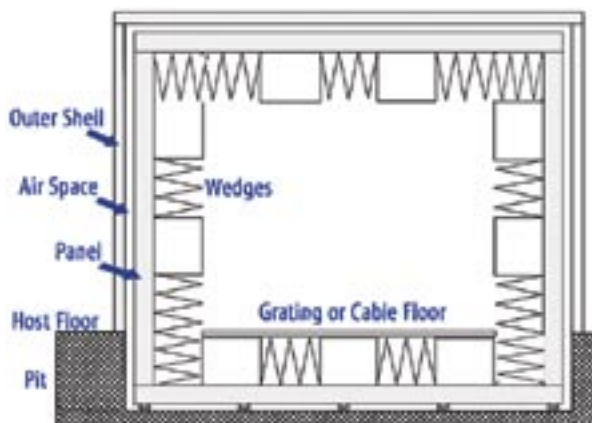
# Anechoic and Hemi-Anechoic Test Chambers

At Acoustic Systems we are committed to the highest possible level of customer service. Our flexible designs and stringent science combine to meet both the practical and the empirical needs of the testing chamber market throughout all the phases of design, manufacture, installation and verification. The sales engineers at Acoustic Systems understand the rigors of making a new testing facility operational and, in response, have created our unique Turn-Key Service. This service is designed to both anticipate and minimize complications launching any new or retrofit project.



## FEATURES:

- On site facility measurements to identify and design around potential problems
- Complete design flexibility in size, shape, height, access, etc.
- On site acoustical analysis of ambient air-borne and structure-borne noise levels
- Doors in custom design and construction
- Chamber Performance Verification Services
- Environment Control Options
- Vibration Isolation Options
- Customized Ventilation
- Aesthetic Finish Options



Clients using our Anechoic and Hemi-Anechoic Chambers in a wide variety of measurement and acoustic test applications include: **Toro, Visteon, Nokia, Intel, Cisco Systems, Calsonic, Caterpillar, Georgia Institute of Technology, Bose, and Dell Computer Corporation**

See our website at [www.acousticsystems.com](http://www.acousticsystems.com) for more information on designing an anechoic chamber to meet your specific needs.



www.acousticsystems.com  
info@acousticsystems.com  
PO Box 3610 • Austin, TX 78764  
512/444-1961 • FAX: 512/444-2282