

Academic Research Chambers - ARC

Acoustic Systems designs, constructs, and installs acoustic test chambers to meet your unique testing requirements and to support high standards of research and analysis. Our company is known for applying its acoustic testing expertise to your project needs and testing requirements to achieve outstanding chamber performance.

Performance:

Free field or reverberant field environment for performing engineering level measurements via a single microphone or a small array; an affordable option when critical listening is not necessary.

- Frequency Range: 250 Hz and above
- Engineering Level Testing
- Multiple Product Testing
- Squeak and Rattle Test

Applications:

- Psycho-Acoustics
- Neuroscience
- Speech and Lanugage

Customers include:

- UCSF
- Duke University
- University of Michigan
- University of Pennsylvania
- University of Texas
- Rice University
- University of Utah
- University of Washington
- University of Massachusetts
- UC, San Diego
- Smith College



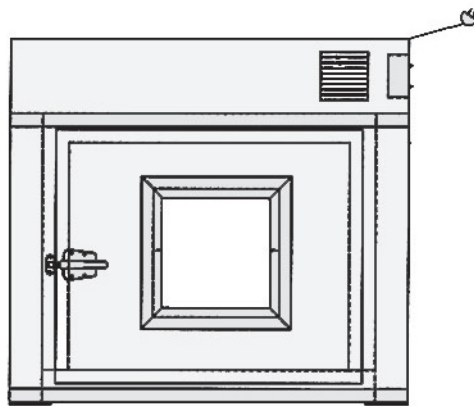
Since 1971, Acoustic Systems has built a reputation for exceeding customer expectations through its responsive and technically superior turnkey approach to constructing outstanding acoustic test chambers.

Acoustic Systems is a recently acquired division of ETS-Lindgren, the proven world leader for components and systems that measure, shield, and control electro-magnetic energy. ETS-Lindgren is a part of ESCO Technologies Inc., a leading supplier of engineered products for growing industrial and commercial markets. ESCO, headquartered in St. Louis, Missouri, is a New York Stock Exchange listed company (ESE).

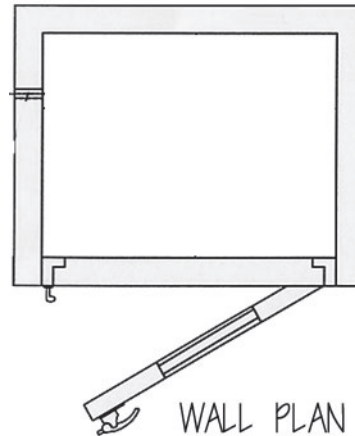
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Baseline Configurations

	ARC₁	ARC₂	ARC₃
Interior Working Dimensions	32"w x 24"d x 24"h 812.8 x 609.6 x 609.6mm	42"w x 30"d x 37.75"h 1066.8 x 762 x 958.85mm	36" x 28" x 55" 914.6 x 711.2 x 1701.8mm
Outside	38"w x 30"d x 34.25"h 965.2 x 762 x 869.95mm	48"w x 36"d x 48"h 1219.2 x 914.4 x 1219.2mm	44" x 36" x 78 1/4" 1117.6 x 914.4 x 1987.55mm
Door (clear opening)	27" x 21" 685.8 x 539.75mm	37" x 35" 939.8 x 889mm	31" x 55" 787.4 x 1397mm
Features:		Options:	
<ul style="list-style-type: none"> • One 110AC outlet • One Light • Cable Passages • Vibration Isolation Pads • Stainless Steel Floor 		<ul style="list-style-type: none"> • Equipment Mounts • Test Stand • Ventilation • Reverberant Configuration • Access Hatches • Window in Door 	



ELEVATION



WALL PLAN

Acoustical Expertise for Your Application

Acoustic Systems' experienced professionals can apply their acoustic expertise to achieve outstanding chamber performance by conducting preliminary site surveys, analyzing chamber or product characteristics at our in house acoustical research facility, or by performing field verifications.

Site Survey Capabilities

Acoustic Systems can perform a pre-sales site survey to determine the best test chamber for your application.

- Identification and risk analysis of airborne and structure-borne threats
- Measurement and evaluation of host conditions
- Cost of survey can be applied toward purchase

Acoustic Systems Acoustical Research Facility

Our NVLAP accredited product development and commercial laboratory (NVLAP Code 100286-0) offers sound transmission loss, sound absorption, sound power level, and noise emission testing. Our laboratory engineers can devise a test plan to determine product noise characteristics, which will assist in the design and implementation of your new test chamber.

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