

ACOUSTIC TESTING SERVICES

FOR WINDOWS, DOORS, AND BUILDING PARTITIONS



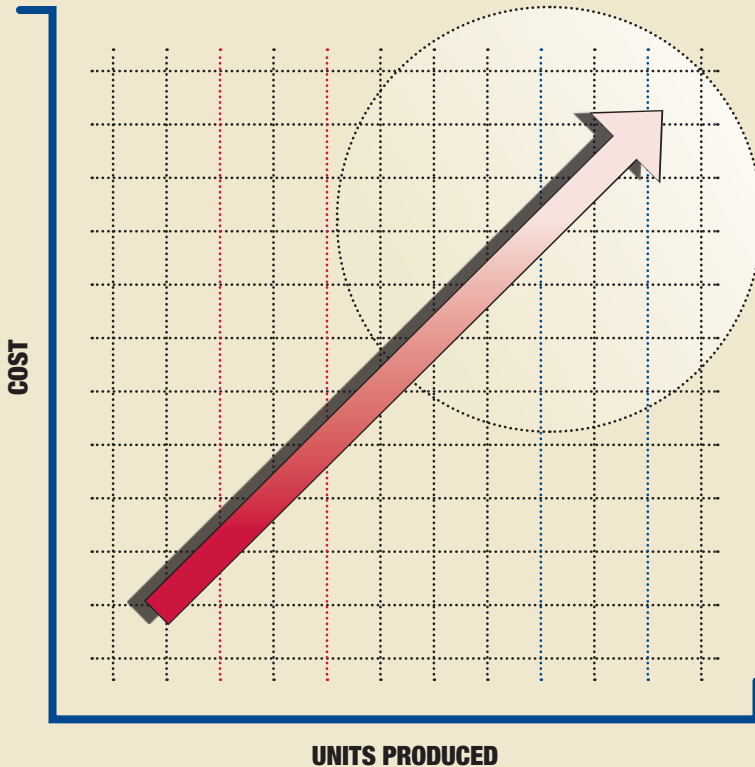
A Fenestration Test Being Performed in an ETS-Lindgren Reverberation Chamber

SCAN TO SEE A
FENESTRATION TEST.



 **ETS·LINDGREN**[®]
ACOUSTIC RESEARCH LABORATORY
ets-lindgren.com/labservices

EXPENSE OF NOT TESTING



WHY YOU NEED TO TEST

IMPROVE PERFORMANCE, REDUCE COST

Testing windows, doors and partitions for their acoustic properties can lead to performance improvements while reducing manufacturing costs.

Architects (and the clients they serve) often specify that windows, doors, etc. meet a Sound Transmission Class (STC) rating that originates from data obtained during ASTM E90 testing. The test is best performed in a professional laboratory.

Some manufacturers see testing as an expense, and overdesign their products as a result. This can add unnecessary cost – especially when hundreds or thousands of units are produced. As a consequence, profit margins are eroded and they are left at a competitive disadvantage.

Choosing to test at an accredited acoustic lab can help identify components or materials that can be optimized, or even eliminated, while meeting the required STC rating and saving you money.

WHY WE SHOULD BE YOUR TEST LAB

EXPERIENCED ENGINEERS AND STAFF

Our experienced staff of degreed engineers and test specialists is familiar with fenestration testing. We currently count numerous window manufacturers as valued clients. Our thorough knowledge of the standards and required measurement techniques means no lost time for learning curves or experimentation at your expense.

MODERN FACILITIES AND PROFESSIONAL ACCREDITATION

Our test laboratory was recently constructed and purpose-built for acoustic testing. Our test chambers are acoustically isolated on floating concrete floors and structurally isolated from the parent building.

Professional grade lab instrumentation is used and regularly calibrated by an independent, accredited third party.

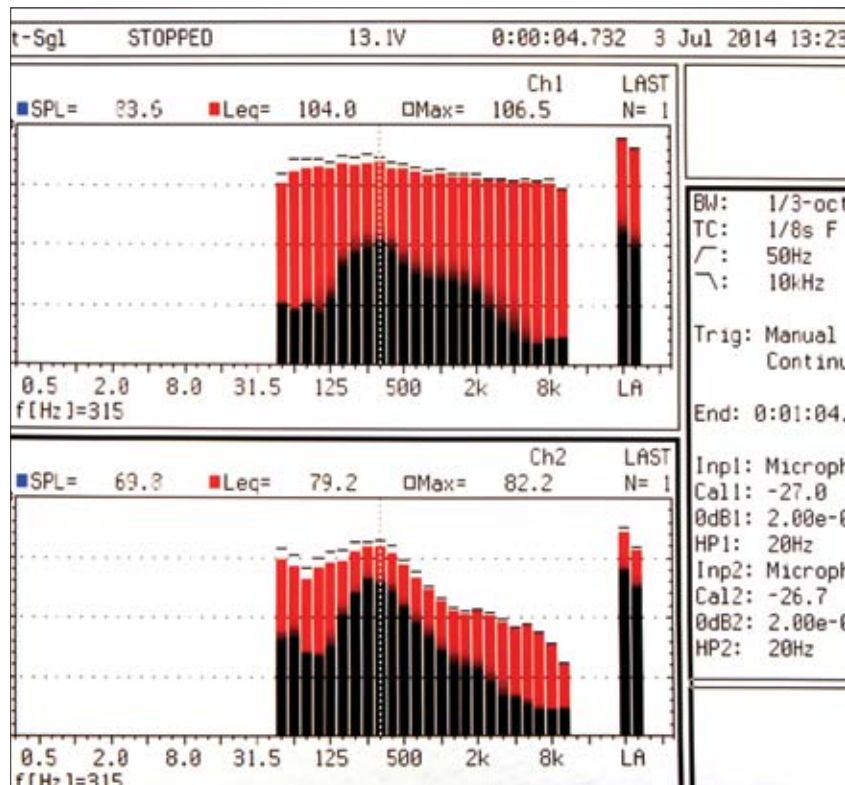
The lab is accredited by NVLAP, assuring that measurements meet all applicable standards. Our continued accreditation requires periodic on-site audits by independent NVLAP auditors, verifying that processes are up-to-date and compliant.

TRANSPARENCY

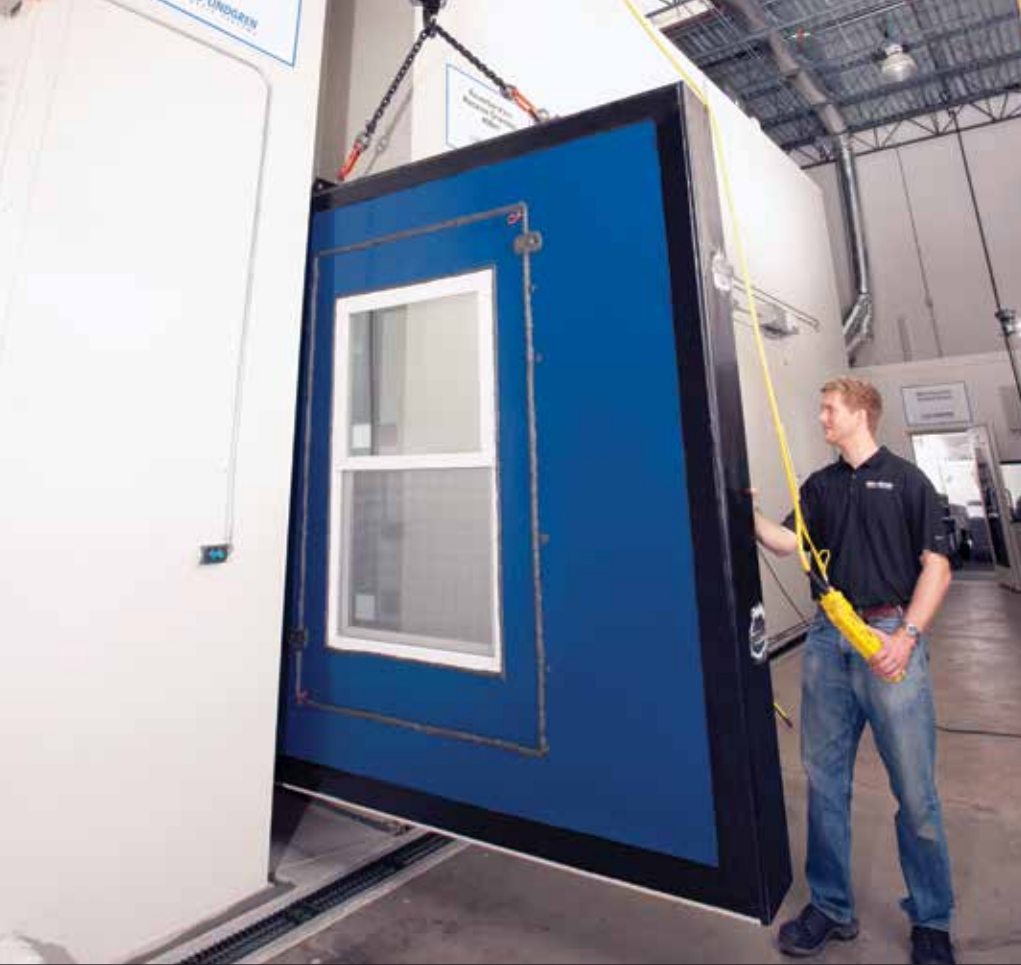
We welcome you to visit our lab, inspect our facilities, talk with our staff, and witness firsthand your products being tested. You'll find that our staff is eager to help, and qualified to provide test result analysis. All client discussions, documents, and test results are held in strict confidence.



One of our two control rooms



Real-time measurement analysis



Quick in-out test specimen loading

Our Hemi-anechoic Chamber for Sound Power measurements



ABOUT US

The Acoustic Research Laboratory is a part of ETS-Lindgren, which is located in Cedar Park, Texas, a community adjoining Austin, Texas. ETS-Lindgren is a subsidiary of ESCO Technologies, Inc. (NYSE: ESE), located in St. Louis, Missouri.

The test lab is independently accredited by third-party accrediting bodies including the National Voluntary Laboratory Accreditation Program (NVLAP), and is also a part of an ISO 9001 and 1705 Management Program.

The lab uses a reverberant chamber for measuring sound transmission loss, and a hemi-anechoic chamber for sound power measurements. Our chambers are acoustically isolated on floating concrete floors and structurally isolated from the parent building. Each chamber also has its own acoustically isolated control room equipped with professional grade instrumentation and measurement equipment. The instrumentation is regularly calibrated by an independent, accredited third party.

The chambers are designed for fast specimen throughput, and can easily accommodate multiple test specimens of various sizes.

NVLAP[®]
Lab Code: 100286-0

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