

In-Plant Custom Engineered Solutions

Customized Acoustical Systems to Isolate Equipment
& Noise Sources



- Moduline® Modular Acoustic Metal Panel Systems
- Moduline® Pre-Assembled Noise Enclosures
- Moduline® Test and Measurement Chambers
- Noishield® Sound Barrier Systems
- Noise-Foil® Metal Faced Acoustical Wall & Ceiling Panels
- Sound Seal® Noise Control Curtain Systems
- Sound Seal® Industrial Sound Baffles
- Sound Seal® Quilted Fiberglass Absorbers





In-Plant Custom Engineered Noise Control Solutions

Customized Acoustical Systems to Isolate Equipment & Noise Sources

IAC Acoustics provides custom engineered noise solutions, manufacturing a broad range of noise control products, systems and structures to solve the most common to the most unusual and complex noise control problems.

IAC's unique ability to provide truly customized acoustical systems in a timely and cost-effective manner ensures that your specific project needs and performance goals will never be compromised simply to fit into a standard product offering or pre-conceived solution.

Whether you have a complete detailed set of plans and specifications that you need to procure or you have a noise problem that needs a custom solution tailored to meet your goals, IAC Acoustics has the design and manufacturing capabilities to provide practical, high-performing solutions.

IAC Acoustics' Capabilities & Resources:

- National Sales Engineering Coverage
- Acoustical Design
 - Mechanical & Structural Design
 - AutoCAD Engineering
 - Turnkey Installation

Customized Acoustical Solutions & Systems

The variety and type of noise control solutions are endless when combining the basic Moduline module with our full range of components and accessories.



Typical Applications

- Gen-Set Enclosures
- Compressor & Pump Package Enclosures
- In-Plant Offices
- Sound Isolating Building Partitions
- Machinery Enclosures
- Test Environments for Quality-Control & Product Development
- Acoustic/Thermal Plenums
- Transformer Sub-Stations
- Communication Centers
- Observation/Control Rooms
- Vibration-Test Enclosures
- Control Pulpits
- Press Enclosures
- Equipment Penthouses
- Coordinate Measuring Machine Enclosures
- Cooling Tower Enclosure
- Outdoor Construction Offices
- Document Storage Rooms



Moduline Modular Acoustical Metal Panel System

IAC's Moduline product line consists of pre-engineered, modular acoustical panels and components that can be configured and assembled into a wide variety of structures. Moduline is particularly suited for applications requiring a high degree of noise reduction of up to 40 decibels or more.

Typical Applications

- Machinery Enclosures
- Personnel Enclosures
- Quiet Rooms
- Control Rooms & Pulpits
- Soundproof Partitions
- Motor & Pump Enclosures
- Test Cells
- OEM Noise Control Systems

Features

- Unlimited size & configuration
- Interior or exterior applications
- Several panel design styles
- Removable panel systems
- Panel thickness from 2" to 8"
- Performance levels up to STC-70
- Access hatches
- Custom viewing windows
- Silenced ventilation systems
- Many finishing options
- Single & double leaf hinged doors
- Horizontal & vertical sliding doors

Moduline Pre-Assembled Noise Enclosures

IAC's Moduline Pre-Assembled Noise Enclosures offer a high performance, cost-effective alternative to field built solutions using conventional construction materials or modular acoustical components and is the ideal solution for projects with limited time, space or funding.

Typical Applications

- Operator Control Rooms
- Pulpits
- Crane Cabs
- Quiet Rooms
- In-Plant Offices
- Equipment Enclosures
- Test Chambers
- Paper Mill Operator Booths

Features

- Drop in place noise control
- Creative design possibilities
- Controlled fit & finish
- High acoustical performance
- Guaranteed finished results
- Rugged construction
- Electrical & ventilation accessories
- Shorter overall project lead time
- No construction mess or debris
- Crane or forklift portability
- Fixed total project cost



Moduline Test & Measurement Chambers

IAC's Moduline Test & Measurement Chambers provide a controlled acoustical environment to perform accurate, repeatable product testing. Our systems provide high acoustic isolation from ambient environment and low interior noise level.

Typical Applications

- OEM Product & QC Testing
- Shake & Rattle Testing
- Small Appliance Testing
- Automotive Parts Testing
- Electrical Components Testing
- Speech Isolation Chambers
- Dynamometer Testing
- Anechoic & Reverb Rooms

Features

- High sound level isolation
- Modular or unitized construction
- Isolated floors
- Single or double wall construction
- Variety of personnel doors
- Automatic parts entry doors
- Silenced ventilation systems
- Cable & instrumentation sleeves
- Anechoic interior wedges available
- Site or factory assembled
- RFI/EMI shielding available





Noishield Sound Barrier Systems

IAC's Noishield Sound Barrier System consists of pre-engineered, modular tongue and groove acoustical panels that can be easily configured and assembled into enclosures, screens, partial enclosures and barriers.

Typical Applications

- HVAC Equipment Screens
- Mechanical Equipment Screens
- Outdoor Utility Enclosures
- Cooling Tower Barriers
- Transformer Screens
- Loading Dock Barriers
- Power Plant Barriers
- Highway Barriers
- Deep Well Pump Enclosures

Features

- Horizontal interlocking panel design
- Ground or rooftop mounting
- Durable attractive finish options
- One or two sided sound absorption
- Straight walls, partial or complete enclosures
- Structural support systems available
- Wind load resistance to 120 MPH



Noise-Foil Metal Faced Acoustical Wall & Ceiling Panels

IAC Noise-Foil Acoustical Metal Panels combine maximum noise absorption and durability in an attractive modular unit. These perforated panels instantly reduce noise levels and control reverberation.

Typical Applications

- Machinery Enclosures
- Warehouses
- Water Treatment Plants
- Multi-Purpose Rooms
- Correctional Facilities
- Subways & Transit Facilities
- Recording Studios
- Firing Ranges
- Test Cells

Features

- Formed perforated panel body
- Galvanized, stainless & aluminum
- Variety of paint & powder finishes
- Several fill encapsulation options
- Flat faced or V-grooved panel design
- Standard & custom sizes
- Variety of mounting methods
- Several sound absorbing fills
- NRC up to 1.25

Sound Curtain Systems by Sound Seal®

Sound Seal's In-Plant Sound Curtain Systems offer significant noise reduction with high STC and NRC acoustical ratings. They can be applied as a partial or complete enclosure around noisy industrial equipment. A wide array of features and options are offered allowing for equipment access, visibility and ventilation.

Typical Applications

- Compressors
- Pumps
- Generators
- Blowers
- Fans
- Granulators
- Presses
- Manufacturing Equipment
- Test Chambers
- Machinery Enclosures

Features

- Available as partial or complete enclosures
- Framing systems available for floor mount, ceiling mount, wall mount or suspended by threaded rod
- Double track systems available for slide by access
- Durable construction
- Clear vinyl windows available
- Side air intake vent baffles allow air flow without compromising acoustical performance
- Easily installed, relocated or modified
- Economical alternative to rigid metal enclosures
- Curtain panels can be field cut to work around obstacles



SOUND CURTAINS
BY SOUND SEAL



Industrial Sound Baffles by Sound Seal®

Sound Seal's Industrial Sound Baffles are used to reduce the reverberation time, lower ambient noise levels and improve communication in a variety of applications. Sound Seal offers several different baffle styles, including Polywrap Baffles, Sanitary Baffles and Ultra Baffles.

Typical Applications

- Manufacturing Facilities
- Industrial Plants/Warehouses
- Gymnasiums/Swimming Pools
- Recreation Centers
- Food Processing Plants
- Meat Packing Plants
- Pharmaceutical Facilities
- Clean Rooms
- Hospitals
- OEM Applications

Features

- Durable quilted fiberglass style
- Economic polywrapped style
- FDA-approved sanitary style
- Effective & economical method of reverberation
- Lightweight & self supporting
- Able to be installed by in-house personnel
- Easily relocated to other areas
- Able to be washed or steam cleaned for hygienic or aesthetic reasons
- No maintenance required
- Able to be custom tailored for specific applications
- Ambient noise reduction up to 10 dB
- Class A flammability rating per ASTM E-84
- Optional white color reflects light to working area increasing ambient lighting



SOUND CURTAINS.
BY SOUND SEAL





Quilted Fiberglass Absorbers by Sound Seal®

Sound Seal's Industrial Quilted Fiberglass Absorbers are soft, porous, open celled materials that are used to reduce the reflection of sound waves. As a result, reverberation time and ambient noise levels are reduced thereby improving communication in a variety of applications.

Typical Applications

- Used in Industrial, Commercial, Architectural & OEM Applications
- Wall Panels
- Ceiling Baffles
- Ceiling Clouds
- Acoustic Screens
- Acoustic Blankets/Curtains
- Acoustic Barriers
- Acoustic Liners
- Acoustic Jackets

Features

- Superior sound absorption
- Lightweight & flexible
- Class A flammability rated
- Maximum durability
- Long life span
- Available for custom fabrications



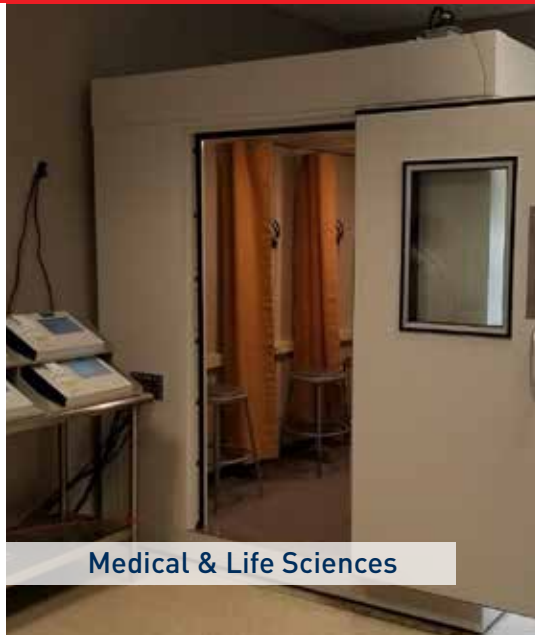
SOUND CURTAINS
BY SOUND SEAL

Making the World a Quieter Place

Markets Served by IAC Acoustics



Architectural



Medical & Life Sciences



Test Facilities



Industrial



Dyno Test Rooms



HVAC