Kinetics Noise Control has been engineering and manufacturing vibration isolation and noise control products and systems for almost 50 years. We pioneered the use of pre-compressed molded fiberglass for vibration isolation. Throughout the years, we have developed and refined a complete line of noise and vibration control products. In addition to the airborne noise control products illustrated in the brochure, we also offer complete designed pipe riser isolation systems, computer-assisted seismic design, engineered floating floor systems for control of airborne and impact noise, and a complete selection of barriers, absorbers and damping materials. Kinetics offers the engineering expertise, laboratory, and field-testing capabilities to work with you and your acoustical consultant to develop a solution to your specific noise control problem.
Kinetics offers the design and engineering assistance to integrate our line of silencers into a system solution. As a result you may choose from a selection of standard or custom engineered silencers that will satisfy the requirements of each application.

Prime candidates for noise control measures are openings into and out of noisy environments. This includes the ventilation of buildings, enclosures, and equipment rooms. Integration of noise control measures such as silencers and louvers, into the system design requires careful consideration of space constraints, fan selection and aerodynamic pressure losses.

**Web-Based Silencer Selection and Duct System Acoustics Analysis Program**

Kinetics Noise Control, Inc. and its subsidiary Vibron Products Group offers you, at no cost, our one-of-a-kind, Web-based, silencer selection program. The program incorporates the most up-to-date design analysis algorithms presented by ASHRAE. It dramatically reduces your engineering time, while designing quiet duct systems.

The program provides you with a complete eight-octave band acoustical analysis. It takes into account natural attenuation of duct and fittings, sound power splits, end reflection, insertion loss of insulated duct and fittings, system component generated noise and critical space/room attenuation. It allows entry of fan sound power level data for any manufacturer's equipment used in the system. It is a true, "model-all" program. The program produces a complete acoustical report displaying whether your design meets the required critical space sound levels. If not, the program will automatically choose a silencer based on your height, width, length and pressure loss restrictions. The program contains our complete line of rectangular and round, dissipative and reactive and elbow silencers.

**Applications:**
- Fan Inlet and Discharge
- Air Handling Units
- Cooling Towers
- Radiators
- HVAC Systems for Commercial, Institutional and Industrial Buildings
- HVAC Duct Systems
- Stacks, Blow-offs, Vents
- Safety and Relief Valves
- Enclosure Ventilation
- Turbine Enclosure Ventilation

**Types:** (Rectangular and Circular)
- Elbow Dissipative
- Straight Dissipative
- Reactive (No-Fill)
- Cross-Talk
- Custom Designs as Required
- Commercial and Industrial Grade Construction
Commercial (HVAC) & Industrial Silencers

Kinetics offers the design and engineering assistance to integrate our line of silencers into a system solution. As a result you may choose from a selection of standard or custom engineered silencers that will satisfy the requirements of each application.

Prime candidates for noise control measures are openings into and out of noisy environments. This includes the ventilation of buildings, enclosures, and equipment rooms. Integration of noise control measures such as silencers and louvers, into the system design requires careful consideration of space constraints, fan selection and aerodynamic pressure losses.

Applications:
- Fan Inlet and Discharge
- Air Handling Units
- Cooling Towers
- Radiators
- HVAC Systems for Commercial, Institutional and Industrial Buildings
- HVAC Duct Systems
- Stacks, Blow-offs, Vents
- Safety and Relief Valves
- Enclosure Ventilation
- Turbine Enclosure Ventilation

Web-Based Silencer Selection and Duct System Acoustics Analysis Program
Kinetics Noise Control, Inc. and its subsidiary Vibron Products Group offers you, at no cost, our one-of-a-kind, Web-based, silencer selection program. The program incorporates the most up-to-date design analysis algorithms presented by ASHRAE. It dramatically reduces your engineering time, while designing quiet duct systems.

The program provides you with a complete eight-octave band acoustical analysis. It takes into account natural attenuation of duct and fittings, sound power splits, end reflection, insertion loss of insulated duct and fittings, system component generated noise and critical space/room attenuation. It allows entry of fan sound power level data for any manufacturer's equipment used in the system. It is a true, "model-all" program. The program produces a complete acoustical report displaying whether your design meets the required critical space sound levels. If not, the program will automatically choose a silencer based on your height, width, length and pressure loss restrictions. The program contains our complete line of rectangular and round, dissipative and reactive and elbow silencers.

Types: (Rectangular and Circular)
- Elbow Dissipative
- Straight Dissipative
- Reactive (No-Fill)
- Cross-Talk
- Custom Designs as Required
- Commercial and Industrial Grade Construction
The control of noise in every day life is very important. Unwanted noise can cause stress related illnesses and severe noise can cause hearing damage. To meet these requirements and to help solve many noise problems, Kinetics manufactures a complete line of acoustical barrier panels called NOISEBLOCK Barrier Panels. These panels can be quickly and easily assembled to provide complete or partial walls for utilities, transportation/highways, cooling towers, chillers, condensers, rooftop equipment and residential noise barriers. These panels are designed to be easily erected in the field and are also designed to provide optimum noise control through sound absorption and sound transmission loss.

Applications:
- Utilities
- Rooftop Equipment
- Residential Compliance
- HVAC Equipment Yards
- Industrial Processes

**Noiseblock Barrier Wall Systems**

for Utilities, Highways/Transportation, Rooftop Equipment and Residential Noise Compliance

Chiller Barrier Wall System, Before (right), After (above)
The control of noise in everyday life is very important. Unwanted noise can cause stress-related illnesses and severe noise can cause hearing damage. To meet these requirements and to help solve many noise problems, Kinetics manufactures a complete line of acoustical barrier panels called NOISEBLOCK Barrier Panels. These panels can be quickly and easily assembled to provide complete or partial walls for utilities, transportation/highways, cooling towers, chillers, condensers, rooftop equipment and residential noise barriers. These panels are designed to be easily erected in the field and are also designed to provide optimum noise control through sound absorption and sound transmission loss.

Applications:
- Utilities
- Rooftop Equipment
- Residential Compliance
- HVAC Equipment Yards
- Industrial Processes

Chiller Barrier Wall System, Before (right), After (above)
Commercial (HVAC)/Industrial/Environmental Acoustic Enclosure Systems

Pressurized Plenums
The control of noise in modern buildings due to air-conditioning is a normal procedure in most projects. Kinetics designs and manufactures a complete line of pressure enclosures for heating, ventilating and air-conditioning installations. Designed to be erected in the field, our panel enclosures provide thermal and optimum noise control through sound absorption and sound transmission loss.

Applications:
- Built-up Air Handling Units
- Panel Duct Systems
- Outside and Discharge Air
- Supply and Return Air Handling Systems

Accessories:
- Acoustical Doors are equipped with heavy-duty hardware and seals to prevent noise leakage.
- Windows are double or single glazed, ¼" thick, laminated safety glass or wire reinforced including framing and sealing.
- Removable Panels for constant or intermittent access to equipment can be incorporated in the enclosure design.
- Ventilation Systems include intake and exhaust silencers as well as supply or exhaust fan system designs to meet the individual projects airflow requirements.
- Design & Engineering assistance including layout as well as determining acoustical, structural and ventilation requirements are included.
- AutoCAD submittal and piece-marked assembly drawings are also included with every project.

Industrial Acoustical Enclosures are designed and manufactured using our standard NOISEBLOCK type "STL & HTL" tongue and groove panels. The panels are fabricated of solid galvanized steel outer skin, and solid or perforated galvanized inner skin. Panels are stiffened with pre-formed steel channels. Acoustic grade fill is packed under compression. The enclosures are available with doors, access panels, removable panels and ventilation packages. Claims for hearing damage, safety and economic requirements make a noise reduction program essential for many industries. In the past, many manufacturing facilities were regulated by a government agency such as OSHA, but today insurance companies who seek to keep claims for hearing damage to a minimum for the facilities they insure drive the vast majority of noise regulation. Kinetics offers complete design and engineering assistance including layout as well as providing acoustical, structural and ventilation requirements.

Applications:
- Compressors and Pumps
- Constant Power Generator Sets
- Grinding, Pulverizer, Chipper Processes
- Punch Presses
- Vacuum Pump and Positive Displacement Blowers Systems
- Outdoor Equipment
- Paint Booths
- In-Plant Offices
- Process Equipment
- Test Chambers
- Extrusion Processes
- Flame Spray Booths

Wall and Ceiling Panel Sound Absorbers
Kinetics Model KNP Panel Absorbers are functional durable and aesthetically pleasing perforated panels which are used to control background and reverberant noise. Although primarily intended as an absorber, the panels will act as a barrier when a solid sheet metal back is added. KNP Panels are also useful as additions to existing barriers to reduce reverberation time and to lower reflected sound levels.

Kinetics Model KNP Panels are excellent sound absorbers over a wide frequency range. Their acoustic properties combined with their appearance and rugged durability make them a perfect choice for test chambers, class rooms, factories, auditoriums, mechanical equipment rooms, gymnasiums, theatres, garages, hallways and other spaces where reverberant noise is a problem. KNP panels are suitable for outdoor use and are ideal for installation over existing barrier walls. KNP panels can be attached to walls, ceilings or other surfaces and can be located in a manner to achieve a pleasing appearance.

They are available with optional rear backing to increase their transmission loss and be used as a barrier. In addition, KNP Panels can be faced with perforated material on both sides and used as hanging absorptive baffles.

Fixed Blade Acoustical Louvers Model VAL
Kinetics Acoustical Louvers are designed for maximum attenuation when space is limited. They are aesthetically pleasing and available in various material types.

Applications:
- Building Vents
- Generator Room Vent
- Barrier Wall Systems
- Acoustical Enclosure Ventilation
- Commercial and Industrial Duct Systems
Commercial (HVAC)/Industrial/Environmental Acoustic Enclosure Systems

Pressurized Plenums
The control of noise in modern buildings due to air-conditioning is a normal procedure in most projects. Kinetics designs and manufactures a complete line of pressure enclosures for heating, ventilating and air-conditioning installations. Designed to be erected in the field, our panel enclosures provide thermal and optimum noise control through sound absorption and sound transmission loss.

Applications:
• Built-up Air Handling Units
• Panel Duct Systems
• Outside and Discharge Air
• Supply and Return Air Handling Systems

Industrial Acoustical Enclosures are designed and manufactured using our standard NOISEBLOCK type "STL & HTL" tongue and groove panels. The panels are fabricated of solid galvanized steel outer skin, and solid or perforated galvanized inner skin. Panels are stiffened with pre-formed steel channels. Acoustic grade fill is packaged under compression. The enclosures are available with doors, access panels, removable panels and ventilation packages. Claims for hearing damage, safety and economic requirements make a noise reduction program essential for many industries. In the past, many manufacturing facilities were regulated by a government agency such as OSHA, but today insurance companies who seek to keep claims for hearing damage to a minimum for the facilities they insure drive the vast majority of noise regulation. Kinetics offers complete design and engineering assistance including layout as well as providing acoustical, structural and ventilation requirements.

Applications:
• Compressors and Pumps
• Constant Power Generator Sets
• Grinding, Pulverizer, Chipper Processes
• Punch Presses
• Vacuum Pump and Positive Displacement Blowers Systems
• Outdoor Equipment
• Paint Booths
• In-Plant Offices
• Process Equipment
• Test Chambers
• Extrusion Processes
• Flame Spray Booths

Wall and Ceiling Panel Sound Absorbers

Kinetics Model KNP Panel Absorbers are functional durable and aesthetically pleasing perforated panels which are used to control background and reverberant noise. Although primarily intended as an absorber, the panels will act as a barrier when a solid sheet metal back is added. KNP Panels are also useful as additions to existing barriers to reduce reverberation time and to lower reflected sound levels.

Kinetics Model KNP Panels are excellent sound absorbers over a wide frequency range. Their acoustical properties combined with their appearance and rugged durability make them a perfect choice for test chambers, class rooms, factories, auditoriums, mechanical equipment rooms, gymnasiums, theatres, garages, hallways and other spaces where reverberant noise is a problem. KNP panels are suitable for outdoor use and are ideal for installation over existing barrier walls. KNP panels can be attached to walls, ceilings or other surfaces and can be located in a manner to achieve a pleasing appearance. They are available with optional rear backing to increase their transmission loss and be used as a barrier. In addition, KNP Panels can be faced with perforated material on both sides and used as hanging absorptive baffles.

Fixed Blade Acoustical Louvers Model VAL

Kinetics Acoustical Louvers are designed for maximum attenuation when space is limited. They are aesthetically pleasing and available in various material types.

Applications:
• Building Vents
• Generator Room Vent
• Barrier Wall Systems
• Acoustical Enclosure Ventilation
• Commercial and Industrial Duct Systems

Industrial Fan Enclosure

Accessories:
• Acoustical Doors are equipped with heavy-duty hardware and seals to prevent noise leakage.
• Windows are double or single glazed, ¼" thick, laminated safety glass or wire reinforced including framing and sealing.
• Removable Panels for constant or intermittent access to equipment can be incorporated in the enclosure design.
• Ventilation Systems include intake and exhaust silencers as well as supply or exhaust fan system designs to meet the individual projects airflow requirements.
• Design & Engineering assistance including layout as well as determining acoustical, structural and ventilation requirements are included.
• AutoCAD submittal and piece-marked assembly drawings are also included with every project.
Kinetics Noise Control has been engineering and manufacturing vibration isolation and noise control products and systems for almost 50 years. We pioneered the use of pre-compressed molded fiberglass for vibration isolation. Throughout the years, we have developed and refined a complete line of noise and vibration control products. In addition to the airborne noise control products illustrated in the brochure, we also offer complete designed pipe riser isolation systems, computer-assisted seismic design, engineered floating floor systems for control of airborne and impact noise, and a complete selection of barriers, absorbers and damping materials. Kinetics offers the engineering expertise, laboratory, and field-testing capabilities to work with you and your acoustical consultant to develop a solution to your specific noise control problem.