

META QUICK GUIDE 2007
Meta QG07 - Release 1.0 – April 2007



Meta™

META-BASED SYSTEMS

Noizkon's third 'Supply' portal, Meta™ consists of metal-based systems with primary application in utilities, mechanical services, and industries.

Environmental protection has become increasingly important during the past few years. In addition to air and water quality, noise pollution is now a key environmental concern. This is where Meta™ comes into the picture. From the roar of jet engines that denote threshold of pain, causing permanent hearing loss, to the ultra-quiet audiometric rooms that denote the threshold of hearing and check hearing loss, from the whine of rotating machinery like gas turbines to product testing in test cells, Meta™ systems are custom-engineered with M&E consultants to meet complex requirements of noise vibration control for general and specialised industries.

Installation of Meta™ products to Total™ design by the Struct™ division produces the best results at sites and guarantees the overall system.

Meta™ has 4 menus

- SoundSeraf™
- SoundSabre™
- SoundShell™
- SoundSanct™



Meta systems for industrial applications

SoundSeraf™

Perforated metal has three acoustical applications

- as a decorative facing for acoustic infill
- as part of a tuned resonant absorber
- as airflow diffuser in aerodynamic facilities

SoundSeraf™ offers the

- versatility of solid, perforated or micro-perforations
- the enduring aesthetic appeal of metal
- the quality assurance of factory-controlled manufacturing
- technical superiority of comprehensive acoustical calibration

to control noise buildup and echoes in a rugged environment.

SoundSeraf™ has 2 sub-menus

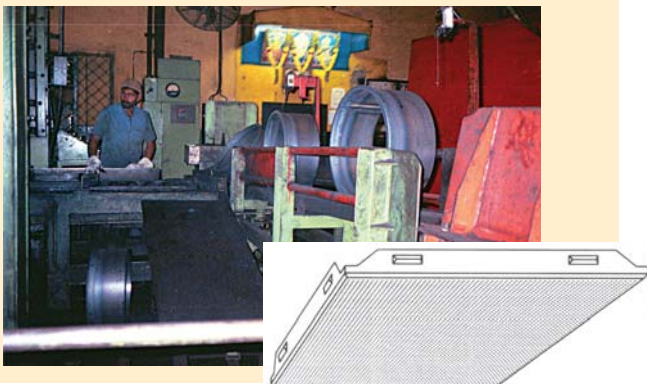
SoundSerge™

Perforated-metal facing panels (acoustical infill necessary)

Variants

- SoundSerge™ Clip-on
- SoundSerge™ Cassette

Sub-variants are thickness and colour dependant.



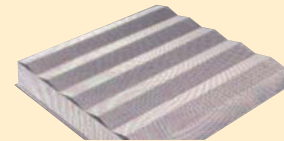
SoundSerate™

Perforated-metal facing panels (acoustical infill necessary)

Variants

- SoundSerate™ Partial
- SoundSerate™ Fully

Sub-variants are thickness and colour dependant.



SoundSabre™

Meta's SoundSabre™ deals with aerodynamic systems for active ventilation / thermal dissipation / airconditioning that are acoustically engineered for noise control from motors, pumps, compressors, blowers, generators. Noise is swiped from the air that flows through. SoundSabre™ products are research engineered to suit the noise spectrum generated while giving maximum airflow with low-pressure drop characteristics.

SoundSabre™ has 3 sub-menus

SoundSieve™

Acousical louvres that blend with the aesthetics for high-rise buildings, hotels, shopping malls and multiplexes. The louvres are constructed from heavy-gauge metal sheets for structural rigidity with adequate blade support across full louvre width. The louvre blades are scientifically designed with optimal perforations and angles.

Variants

- SoundSieve™ Single stage (Half-chevron)
- SoundSieve™ Double stage (Chevron)
- SoundSieve™ Custom

Sub-variants - depth and material dependant.

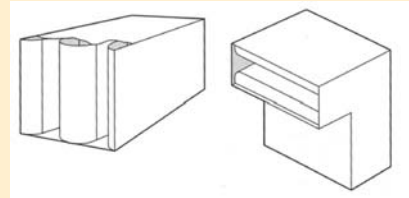


SoundSplit™

Rectangular, ducted silencers and plenums, acoustical and pressure-rated, for cross talk, supply air, return air HVAC applications

Variants – Dimension dependant.

Sub-variants – material dependant - mild steel, galvanised steel, stainless steel, aluminium.

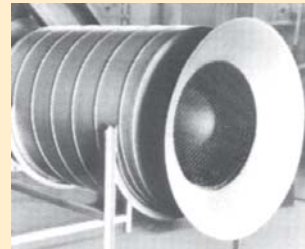


SoundSmite™

Cylindrical attenuators and stack silencers that are made from heavy gauge galvanised iron and consist of splitters constructed of pre-engineered perforated metal and resonators that are tuned to increase low-frequency attenuation.

Variants – Dimension dependant.

Sub-variants – material dependant - mild steel, galvanised steel, stainless steel, aluminium.



SoundSanct™

Meta's SoundSanct™ consists of acoustical rooms and win/doors for a variety of applications in architectural spaces and industrial plants.

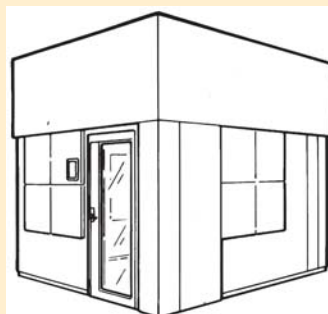
SoundShelt™

Modular acoustical rooms for sound absorption and noise isolation at receiver with SoundScans-tested, pre-engineered structures. Applications include studio recording suites, voice booths, music practice rooms, audiometric booths, industrial control rooms, communication booths etc.

Variants – Application dependant

- SoundShelt™ Noise shelters on shopfloors
- SoundShelt™ Studio suites and booths
- SoundShelt™ Audiometric rooms
- SoundShelt™ Music practice rooms

Sub-variants – material dependant – mild steel, galvanised, stainless.



SoundShut™

Acoustical ventilators, windows & doors

Variants

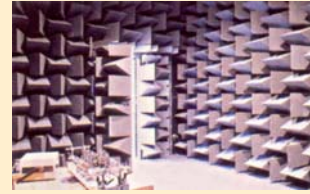
- SoundShut™ Acoustical ventilators – noise isolation with passive ventilation, without the need of airconditioning – natural light and air in, noise out – a boon for energy-starved, energy-expensive Asia
- SoundShut™ Acoustical windows – for airconditioned spaces - fixed, openable-swing, openable-slide,
- SoundShut™ Acoustical doors – hinged or sliding; single-leaf or double-leaf

Sub-variants - STC dependant



SoundScience™

Modular anechoic and reverberation testing chambers that address the critical nature of test measurements, product design development, quality control. SoundScience's controlled environment provides a vast range of performance specifications – simple quality control to complex precision measurements.



Variants

- SoundScience™ Anechoic Chambers – semi, full; single, dual; foam, metal wedges
- SoundScience™ Reverberation Chambers – single, dual
- SoundScience™ Composite Chambers – anechoic & reverb dual chamber

Sub-Variants – Application dependant

SoundShell™

Meta's SoundShell™ menu consists of 3D functional isolators for airborne noise in the surface transportation, aviation and industrial sectors. SoundShell™ boasts of 2 sub-menus

SoundShade™

Noise abatement barriers and mobile screens for transport corridors, noisy machines, aircraft run-up pens

Variants – Application dependant

- SoundShade™ Transport - wind-load bearing and highly noise-absorbing to increase effectiveness of opposing parallel barrier walls.
- SoundShade™ Industrial - Strategically placed barriers on the shopfloor of noisy industries like printing presses, textile spinning, paper making, help workers to be shielded from potential hearing-loss situations.
- SoundShade™ Aviation – run-up pens for airfield personnel's hearing protection

Sub-variants – height dependant for OITC values

SoundSequest™

Modular acoustical enclosures & hoods for noisy machines, strategically located at source

Variant – SoundSequest™ is dependant on individual machine silhouette and heat dissipation characteristics.

Sub-variants – material dependant – mild steel, galvanised steel, stainless steel, aluminium.

Group Anutone®

Meta™

METAL-BASED ACOUSTIC SYSTEMS

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