NEWTECH INSULATION

Soundproofing Room



"Soundproofing Rooms"

Suitable for controlling sound at the sound source, whether it is noise from machines, tools, or sound from activities such as music rehearsal or adjusting an ECU (engine tuning). Soundproofing Rooms designed by acoustic engineers, can reduce noise from a sound source up to 10-30 dBA. There are various styles of soundproofing rooms such as built-in for existing spaces and reassembling the whole room. The latter can be divided into removable soundproofing rooms and regular soundproofing rooms. Soundproofing rooms for machinery or equipment that have heat accumulation during work must take cooling or ventilation (air change rate) into account alongside the need for noise reduction.



Choose NTi Soundproofing Rooms

Noise from machinery operation in industrial plants, power plants, or other establishments may cause both sound problems beyond the standard (occupational health and safety at work) and noise that affects multiple receivers outside the factory (environment). Thus, sound sources can be covered by using soundproofing rooms to reduce noise levels. NTi pays great attention to the design, manufacture, and installation of soundproofing rooms for each customer. The design of NTi soundproofing rooms not only considers noise level reduction, but also takes into account the safety systems in various aspects, which are components of soundproofing rooms, such as lighting systems, fire protection systems, thermal management, and ventilation systems.

NTi Soundproofing Rooms Properties

- Reduce noise from machinery operation by 10-30 dBA
- Solve noise problems in both mid and high frequencies
- Design and installation to solve the specific noise problems of the customer
- Calculated noise reduction and structural safety conducted by engineers
- Noise reduction levels are guaranteed with a mathematical simulation model
- Use of high quality materials and production standards
- Installation by expert technicians and supervision by safety officers
- Guaranteed product and installation quality with after-sales service

Nti Soundproofing Rooms Efficiency

Frequency (Hz)	250	500	1000	2000	4000	8000	16000
Before	25	45	60	75	70	65	55
After	23	40	50	55	50	48	45



Applications

- Soundproofing rooms for root blowers
- Soundproofing rooms for hydraulic pumps
- Soundproofing rooms for air compressors
- Soundproofing rooms for fans & chillers
- Soundproofing rooms for diesel generators
- Soundproofing rooms for centrifugal blowers

Benefits

- Control the sound directly at the sound source
- Greater noise reduction than using acoustic curtains or soundproof walls
- No need to change, move or modify the sound source
- Designed to use materials and structures that are suitable for the specific sound characteristics
- Solve noise problems from sound sources in both low to high frequencies

