



CLEANROOM WALL PANELS

# Optimizing Cleanroom Corridor Acoustics with All Noise Control Wall Panels at Texas Instruments

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Texas Instruments manufactures advanced semiconductor components inside highly controlled cleanroom facilities where precision manufacturing processes are performed. These environments contain automated fabrication equipment, vacuum pumps, and air filtration systems that operate continuously during semiconductor production.

The combination of manufacturing equipment and ventilation systems can generate persistent background noise throughout the cleanroom environment. Because these facilities rely on hard surfaces for contamination control, sound reflections can increase reverberation and affect communication within the workspace.

Installing VibraCore® Acoustic Cleanroom Wall Panel Systems helps reduce sound reflections and improve acoustic performance within semiconductor manufacturing environments. These cleanroom acoustic panels provide strong sound absorption while maintaining surfaces suitable for cleanroom sanitation. With NRC 0.85 sound absorption, VibraCore® panels reduce reverberation generated by fabrication equipment and airflow systems. This supports clearer communication and improved working conditions inside semiconductor manufacturing cleanrooms.