



CLEANROOM WALL PANELS

Enhancing Semiconductor Cleanroom Precision with All Noise Control Cleanroom Wall Panels at Intel Corporation

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Semiconductor manufacturers such as Intel operate advanced fabrication plants where microchips are produced in highly controlled cleanroom environments. These facilities rely on robotic wafer handling systems, air filtration infrastructure, and precision manufacturing equipment that operate continuously to maintain strict production conditions. The mechanical systems used in semiconductor fabrication facilities can generate continuous background noise. Because semiconductor cleanrooms use smooth, contamination-resistant surfaces, sound reflections can travel throughout the manufacturing space and increase reverberation levels.

Installing VibraCore® Acoustic Cleanroom Wall Panel Systems helps improve acoustic conditions inside semiconductor cleanrooms. These panels absorb sound reflections generated by mechanical equipment and airflow systems while maintaining surfaces compatible with cleanroom standards.

With NRC 0.85 acoustic performance, VibraCore® panels significantly reduce reverberation in semiconductor fabrication facilities, improving communication and creating a more productive working environment for engineers and technicians.