NORTEK™
CLEANROOM SOLUTIONS
CLEANPAK



CLEAN-TRAK

CLEANROOM CEILING PLENUM SYSTEM

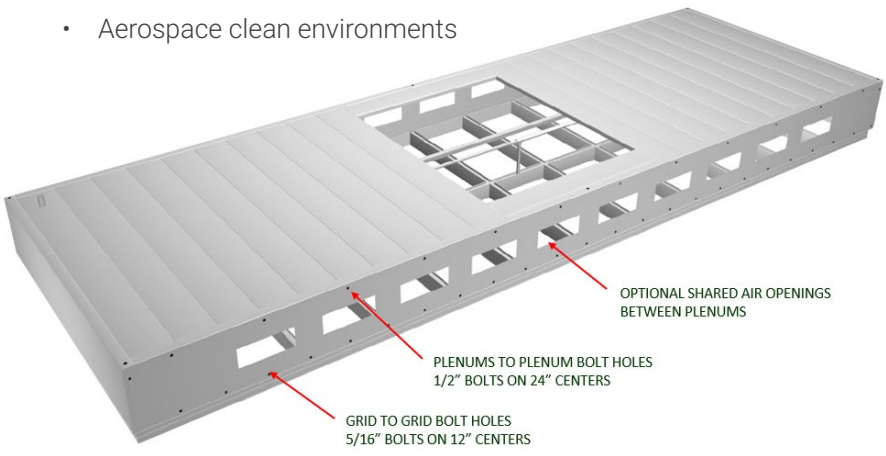
Integrated cleanroom ceiling and plenum performance for high-stakes environments

When cleanroom performance, coordination, and project speed matter, the ceiling system should do more than just support filters. Nortek Cleanroom Solutions' Clean-Trak® Plenum System combines a fully walkable cleanroom ceiling grid with an integrated pressure plenum to help simplify design, improve serviceability, and support efficient delivery for demanding controlled environments.

The Clean-Trak Plenum System provides a robust platform for air delivery, integrated components, and streamlined installation.

APPLICATIONS

- Semiconductor manufacturing
- Pharmaceutical manufacturing
- Life sciences and biomanufacturing
- Medical device manufacturing
- University research labs
- Aerospace clean environments



A SMARTER APPROACH TO CLEANROOM CEILING DESIGN

The **Clean-Trak® Plenum System** builds on Nortek Cleanroom Solutions' cleanroom ceiling expertise by pairing the ceiling grid with a pressurized plenum above the room. This design creates a high-performance overhead system that can incorporate lighting, fire protection, air distribution, balancing, and other building services within one coordinated solution.

For owners and design teams, that means a cleaner design path, fewer field coordination challenges, and a ceiling system engineered to support the needs of modern cleanroom spaces. Not only is it built for cleanrooms, its manufactured in a clean, controlled environment.

KEY BENEFITS

Walkable, integrated ceiling platform

The Clean-Trak® Plenum System provides a fully walkable plenum top, creating a usable overhead platform while still incorporating critical cleanroom components such as lighting and fire protection into the system design. This integrated approach can help reduce the coordination burden typically associated with multiple overhead trades and separate support systems.

Supports packaged system design

The plenum system can be engineered to support the weight of a recirculation air handling unit directly on top of the system, enabling a more integrated package solution. This can help eliminate the need for a separate equipment platform or mezzanine, enabling the building owner to take advantage of the acoustical, power density, maintenance, and static pressure benefits an air handling unit provides (compared to distributed fan filter units).

Built for bay-and-chase applications

The Clean-Trak Plenum System is commonly used in bay-and-chase environments, which are often found in university research and laboratory settings. Bay-and-chase layouts can support cleaner utility routing, maintenance access from the chase side, and segregation of processes to help reduce the risk of cross-contamination between zones.

Redundancy through shared air capability

The plenum system can be designed to share air from module to module through the plenum sidewall, helping maintain plenum pressurization even if one air handling unit is down for maintenance. That added flexibility can support operational resilience in critical cleanroom environments where uptime matters.

Flexible loading options

The system can be configured as either a bottom-load grid system or a top-load system, giving design teams added flexibility based on filtration strategy, maintenance preferences, and room requirements.

Multiple structural support approaches

When the building can support it, the typical approach is a rod-hung system. If the building structure cannot support the ceiling and plenum assembly, Nortek Cleanroom Solutions can also provide a floor-supported structural steel moment frame that supports the system from the floor rather than from the building structure itself.



Talk with Nortek Cleanroom Solutions about a Clean-Trak Plenum System designed around your cleanroom requirements.

Clean-Trak® is a trademark of Nortek Air Solutions, LLC.

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CPK-TUA-CRM-SB-CLEAN-TRAK-PLENUM-20260710

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