

Joint Base McGuire-Dix-Lakehurst

McGuire AFB, New Jersey | 12'W x 8'H x 14'L Aluminum-Oxide Blast Booth



PROJECT OVERVIEW

VES completed the removal, delivery, rigging, installation, and training for a new aluminum-oxide blast booth system at Joint Base McGuire-Dix-Lakehurst in McGuire AFB, New Jersey. The new system replaced the existing aluminum-oxide blast booth and was designed to modernize blasting operations with improved media recovery, dust collection, HEPA filtration, and operator safety features. The booth supports one blast operator and includes an in-grade real-wall media recovery trough that conveys spent media back to the reclamation system for reuse, separation, or disposal of dust and debris.

The completed system provides a more efficient, reliable, and compliant blasting environment engineered to support applicable OSHA, NESHAP, SMACNA, ASHRAE, ACGIH, USAF Corrosion Control Reference Guide, and T.O. 1-1-8 requirements.

EQUIPMENT SUPPLIED

- Fully modular 12'W x 8'H x 14'L blast enclosure
- Rubber-lined, insulated, double-skinned wall construction
- Heavy-duty swing-style equipment doors
- 9,600 CFM cartridge dust collector with HEPA filtration
- Twelve NANO cartridge filters
- Automatic reverse pulse filter cleaning system
- Photohelic pressure gauges
- Direct-drive fan and motor system
- VET I single-operator blast machine
- 7.5 cubic foot pressure vessel
- 39.5 cubic feet of total media storage capacity
- 1,000 CFM rubber-lined cyclone with adjustable air wash
- In-grade real-wall media recovery trough
- Single-operator safety package
- 1,000 lb. mobile worktable

PROJECT HIGHLIGHTS

- Replaced the existing aluminum-oxide blast booth system
- Supports single-operator blasting with media recovery and reclamation
- In-grade real-wall recovery trough improves media handling efficiency
- Guaranteed clog-free recovery trough design
- HEPA filtration provides 99.97% filtration of particles larger than 0.3 microns
- Vertical cartridge filter configuration promotes more complete filter cleaning
- Double-ring cartridge filter seal helps reduce contaminant blow-by
- Bag-in/bag-out filter change design supports safer maintenance
- Completed with demolition, removal, proper disposal, delivery, rigging, installation, and training



Contract Date:
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