



BLAST ROOMS



BENEFITS OF A BLAST ROOM:

Process Control and Production Capacity

A blast room allows you to streamline your manufacturing process by bringing the the surface preparation component closer to where your product is actually being manufactured. By performing your surface preparation process inside your building, you can increase your production capacity by blasting in any weather condition, at any time.

Compliance and Dust Control

Enclosing your surface preparation process is the first step in maximizing your efficiency and production. Once the abrasive blasting is enclosed, a dust collector can capture the dust produced by the abrasive and blasting operation. Collecting and filtering the air from the blast enclosure improves work site safety by adding ventilation and increases production rates by increasing visibility.

Return on Investment

The largest reoccurring cost to a surface preparation process is the actual abrasive material. Containing the abrasive in a blast booth makes recovery easier. Adding an Abrasive Recovery System to the blast booth quickly increases your return on investment for the abrasive by allowing you to clean and reuse it. An Abrasive Recovery System removes fine particles from the used abrasive before introducing it back into the mix, reducing equipment wear.

BLAST ENCLOSURE

A Blast Enclosure is a metal structure that protects the blasting operations from the elements and contains it from other work areas. By enclosing the blast operations, you can now operate regardless of daylight or weather conditions. A Blast Enclosure also contains the used abrasive for easier cleanup and re-use. Blast Enclosures can be configured with one or multiple product doors that are steel or rubber. Lighting can be fluorescent or LED and located in the ceiling or side walls.



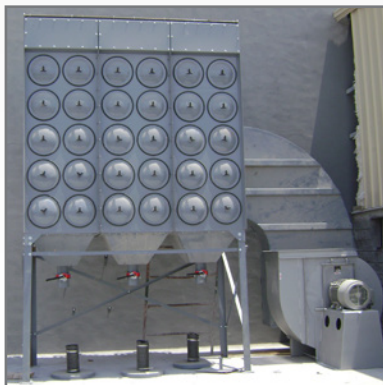
Drive-through, crane slot,
manual metal doors



Large equipment enclosure,
electric rubber doors

DUST COLLECTOR

A dust collector creates an engineered air flow in an enclosure, providing ventilation and collecting airborne dust and debris. Dust collection is regulated by OSHA for any sustained enclosed blasting operation. Using a dust collector helps to increase work surface visibility, increasing quality of work and production, while reducing cleanup. Dust collectors can be located inside or outside the building.



Outdoor unit, ground-mounted fan



Outdoor unit, top-mounted fan



Indoor unit, top-mounted fan

ABRASIVE RECOVERY SYSTEM

An Abrasive Recovery System assists with the cleanup of abrasives and blasting debris in a blast enclosure. The system removes unwanted large particles and fines from the used abrasive during the cleaning process, preparing it for reuse.

There are two types of abrasive recovery systems to choose from; Pneumatic or Mechanical:

Pneumatic:

- Uses vacuum to move and clean the used abrasive.
- Ideal for smaller and lighter abrasives, but will work with all abrasives.
- Does not require any floor modifications.
- Best suited for light intermediate blasting.
- Includes a 10 cubic foot hopper for abrasive storage.



Pneumatic, Abrasive Recovery System

Mechanical Recovery System:

- System is designed for higher volumes of abrasive and any size or weight of abrasive.
- May use augers in the floor with a bucket elevator to move the used abrasive to the cleaning portion of the system which the rotary screen and air wash.
- Abrasive storage hoppers can range in size to meet your production needs.
- Typical models are:
 - Sweep In or Shovel In
 - Single cross auger
 - Single long auger
 - Multiple Long augers



Mechanical, Shovel-In Hopper



Mechanical, Single Long Auger



Mechanical, Multiple Long Augers

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DUST COLLECTORS & VACUUMS

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