

Blast Room System

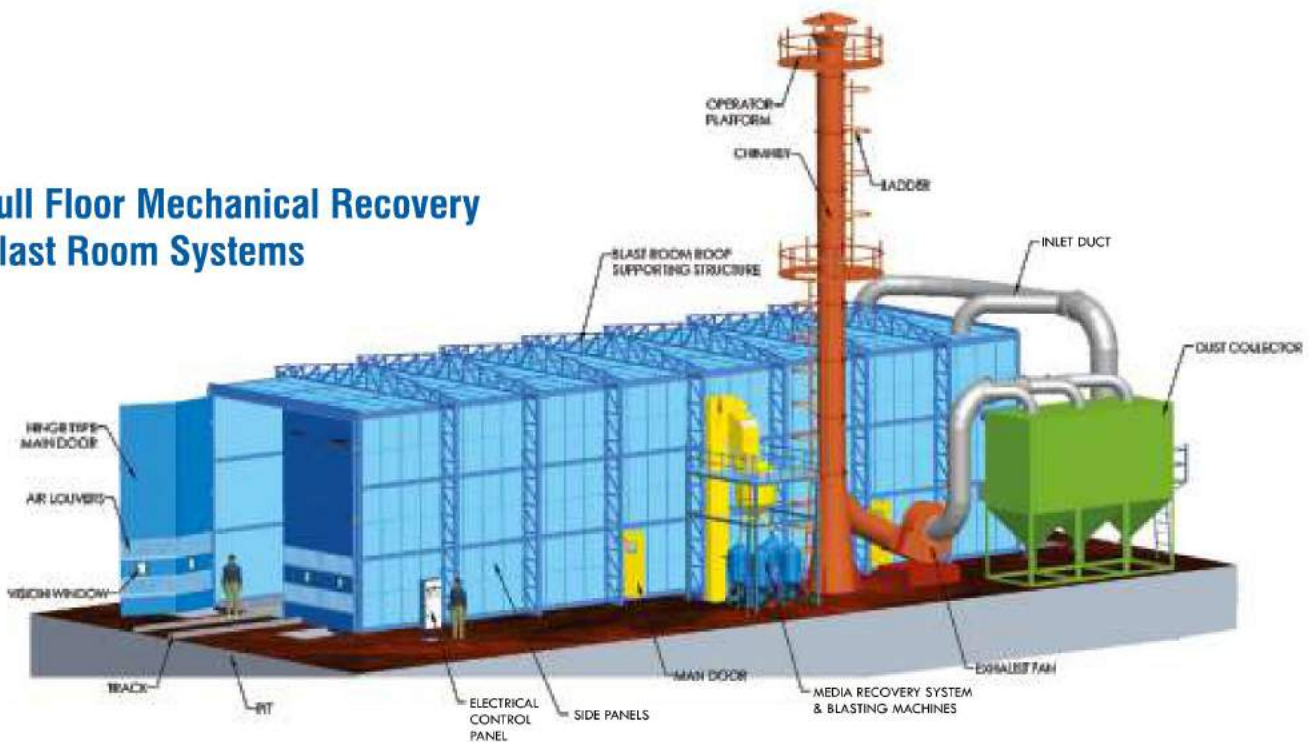


Blast room equipment is used in a wide variety of industries that require surface preparation prior to the application of a protective coating. The surface of the work piece is cleaned by a mixture of abrasive and high pressure compressed air being directed at the work piece by blast nozzle. The blast room contains the abrasive being shot at the work piece, as well providing lighting & ventilation for the operator's safety.

AEROWHEEL offers a variety of Blast Room designs and room configurations which allow us to design a blast room facility uniquely tailored to meet the economic production, safety and environmental concerns of each customers.



Full Floor Mechanical Recovery Blast Room Systems



Essentially an Efficient Blast Room System Consists of :

- :: Enclosure
- :: Abrasive Blasting Machine & Operator Safety Wears
- :: Dust Collector (Cyclone / Cartridge)
- :: Blasting Media Recovery & Separation System
- :: Optional Equipment like work car/Trolley for loading, Overhead Beam with Hoists.

Different types of blast media reclaim systems available

- :: Full-floor Media Recovery System With Mechanical Screw Conveyor
- :: Partial Recovery System with Single Cross Screw Conveyor
- :: "H" Shaped Partial Recovery System
- :: "U" Shaped Partial Recovery System
- :: Air Ejector Recovery System

Blasting Media Recovery & Separation System



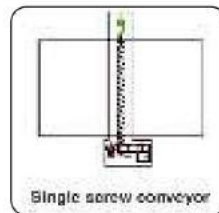
Bucket Elevator & Abrasive Cleaner

The buckets are of seamless type made of 3.15mm thick steel sheet. A cast iron pulley; which has been crowned for tracking & rubber lagged to prevent slippage, are located in the boot & head section of the elevator to drive the belt. The media separation unit is an air wash screen separator which receives all media and debris from by the bucket elevator. The finer contaminants are abrasive that passes through the screen then cascade over the air wash where fine contaminants and small abrasive particles are removed. Reusable abrasive falls in the machine.



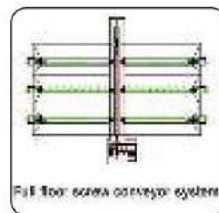
Single Screw Partial Reclaim System

A single screw partial reclaim system is the most economical floor design available. The system contains the major components heavy-duty screw, belt and bucket elevator, air-wash separator, perforated plate rotary drum separator and oversized abrasive storage hopper with a caged man ladder and handrail. This is a basic "automatic" reclaim package that can be expanded to an "H", "U" or full floor reclaim system. It is best suited for low to medium productive levels.



Full Floor Reclaim System

The full floor reclaim system utilizes multiple screw assemblies to create a fully automatic abrasive reclaim system, where 100% of the blast media is returned to the separator system during the blasting operation. This system is best suited for high production requirements



Blast Room Accessories



ABRASIVE RESISTANCE RUBBER SHEETS



BUCKET ELEVATOR BELT & BUCKETS



CARTRIDGES



WORK CAR / TROLLEY