MSME Zed SILVER
ZERO DEFECT ZERO EFFECT

GEC
SHOT BLASTING

BLAST ROOM

WITH FULL FLOOR RECOVERY SYSTEM

WITH CARTRIDGE / CYCLONE DUST COLLECTOR SYSTEM

ADVANCED SURFACE PREPARATION SOLUTIONS



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BLAST ROOM SYSTEM

With Cartridge / Cyclone Dust Collector System

» Blast Room Systems – Controlled, Large-Scale Surface Treatment

GEC Blast Room Systems are enclosed surface preparation facilities designed for abrasive blasting of large, heavy, or complex workpieces. They provide a safe and controlled environment where coatings, rust, scale, and contaminants can be removed, or specific surface profiles can be created for improved coating adhesion.



» Cartridge / Cyclone Dust Collector

Cartridge Dust Collector : Uses filter bags or cartridges and cleans them with bursts of compressed air, It's efficient for fine dust, with minimal maintenance, but has high initial costs and needs a reliable air source.

Cyclone Dust collector : Separates dust from air using centrifugal force. It handles large volumes and coarse particles well, requires less maintenance, but is less effective for fine dust and may need more space.



Cyclone Dust Collector



Cartridge Dust Collector

» Blasting Media Recovery & Separation System:

Bucket Elevator: Uses seamless buckets and a robust construction for efficient movement of abrasive material.
Screw Conveyor: Equipped with a screw mechanism for effective return of abrasive to the separator/classification system.



» Types of Blast Room System:

Multiclone Blast Room System: Recycles lighter particlesefficiently, supports environmental sustainability.
Airless Blast Room System: Facilitates online blast cleaning,efficient media reclaiming, dust-free environment.
Acoustic Cum Blast Room System: Mitigates sound levels with acoustic panels, maintains a safe working environment.
Hybrid Robotic Blast Enclosure System: For shot peening large aircraft structures, incorporates automation for efficient operations.
Container Blast Room System: Repurposes steel containers into blast rooms, equipped with media reclaiming systems and dust collection.



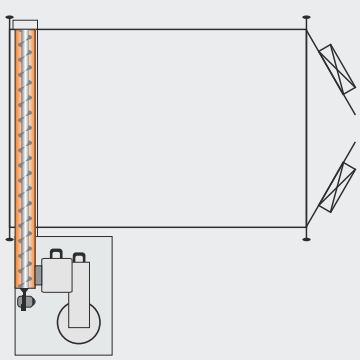
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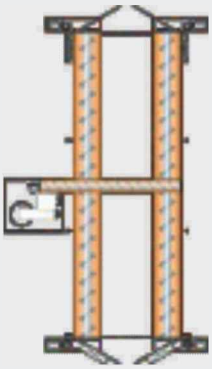
BLAST ROOM SYSTEM

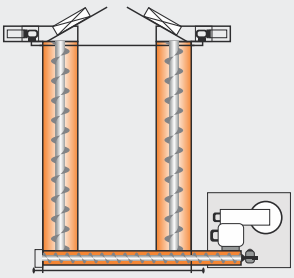
With Cartridge / Cyclone Dust Collector System

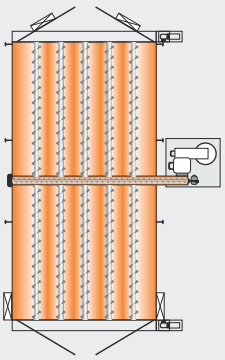
» Types of Mechanical Recovery:

- » **Single Screw Partial Reclaim System**: Cost-effective design for low to medium productivity, automatic reclaiming.
- » **"H" Shaped Partial Reclaim System**: Medium to high production levels, efficient media recovery.
- » **"U" Shaped Partial Reclaim System**: Medium to high production levels, suitable for large workpieces.
- » **Full Floor Reclaim System**: Fully automatic abrasive reclaim, designed for high production requirements.
- » **Pneumatic Recovery**: Suitable for lightweight media, low-maintenance, no moving parts.
- » **Scraper Floor Recovery System**: Collects spent abrasive and contaminants using pushers, minimal maintenance.









» Abrasive Blasting Machine with safety Gear.

The GEC Portable Abrasive Blasting Machine is a versatile and compact solution for surface cleaning, rust removal, and surface preparation across a wide range of applications. Its mobile design allows easy movement between job sites, making it ideal for maintenance, repair, and fieldwork operations.

» GEC Slit Opening Blast Room System

The GEC Slit Opening Blast Room is specially designed to handle long or continuous workpieces that need surface preparation while passing through a narrow, sealed entry and exit slit. The slits are carefully lined to prevent abrasive media leakage, ensuring clean and safe operation.



Recessed Hopper
with Bucket Elevator



Portable Blaster
(P7-1001)





Manual Trolley



Motorised Trolley

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GEC SHOT BLASTING