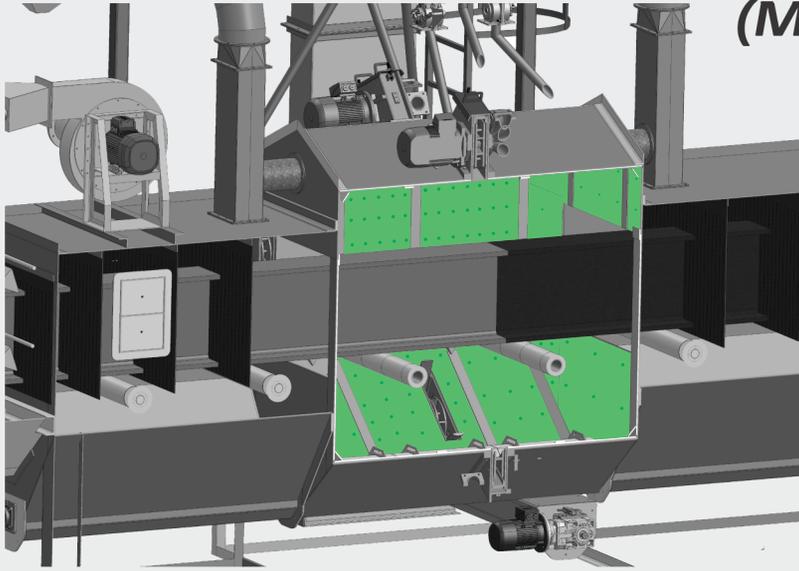




AIRLESS ROLLER CONVEYOR SHOT BLASTING MACHINE



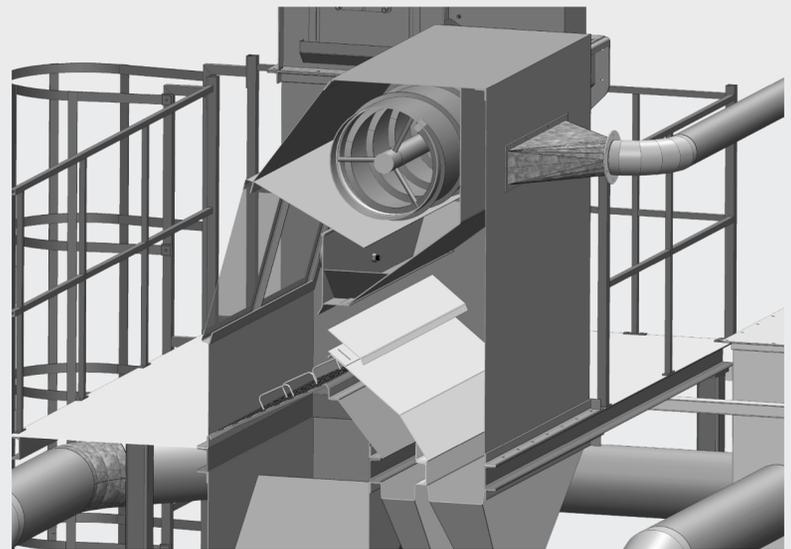
Blast Cabinet (Manganese Plate Lining)



Our blast cabinets are fabricated with 10 mm MS plates for robust construction, ensuring long-lasting durability and strength. The internal surfaces are lined with 8/10 mm thick manganese steel (11-14%), providing superior wear resistance and protection against the continuous impact of abrasive media. For added durability, the direct blasting zone is reinforced with an additional 8 mm layer of manganese steel. This design significantly reduces maintenance costs and extends the lifespan of the machine, ensuring consistent performance even in heavy-duty applications. The cabinet is designed for easy access and maintenance, with strategically placed openings for efficient cleaning and part replacement. Prioritizing operator safety, our blast cabinets minimize exposure to dust and abrasive particles, making them ideal for various industrial applications.

ROTARY SCREEN

The rotary screen separator efficiently removes oversized contaminants and debris from the abrasive media, ensuring consistent particle size distribution. This system enhances the effectiveness of the blasting process by preventing clogged nozzles and uneven media flow. The rotary motion facilitates continuous screening, reducing downtime and maintenance efforts. Constructed from high-durability materials, it withstands constant exposure to abrasive particles. The separator's easy-access design allows for quick cleaning and maintenance, ensuring sustained performance. By improving media quality, it extends the life of both the abrasive supply and the machine components.



BLAST WHEEL - DIRECT DRIVE



BLAST WHEEL - BELT DRIVE

The blast wheel assembly is the heart of the airless tumblast machine, designed to deliver high-speed abrasive media for efficient cleaning, descaling, and surface preparation. Our blast wheels feature durable, wear-resistant blades that ensure uniform media distribution, enhancing the consistency of the blasting process. The assembly is designed for easy maintenance, with quick-access features that allow operators to replace worn-out parts with minimal downtime. Advanced control mechanisms regulate wheel speed and media flow, optimizing energy consumption while maintaining high-performance standards. With a focus on durability and precision, our blast wheel assembly is engineered for maximum productivity.

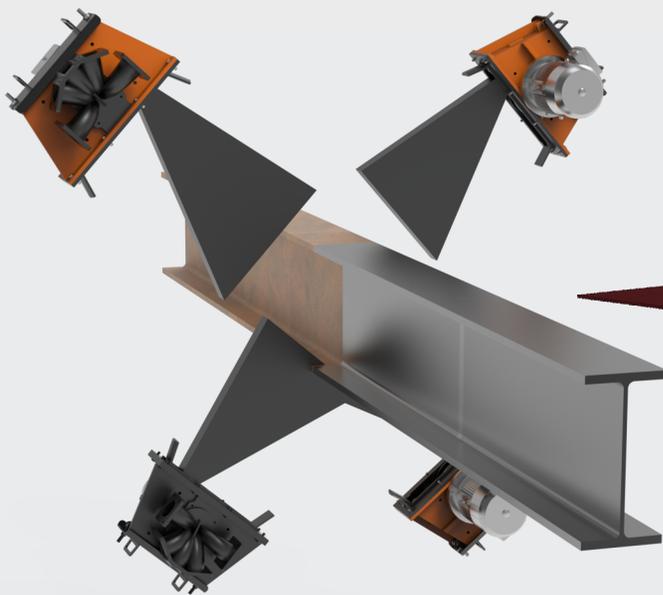


Airless Roller Conveyor Shot Blasting Machine

Roller conveyor shot blasting is surface treatment process where work pieces are conveyed on a roller conveyor system through a blast chamber. High-speed abrasive particles are Propelled onto the work piece surfaces, removing contaminants, scale, and rust, and preparing them for further processing or coating.

GEC offers a range of Airless shot blasting machine Tunnel/roller conveyor type for descaling mild steel plates and structural sections prior to painting. These machines are designed for large Production output and surface treatment. The number of Blast Wheels varies according to the job size and required productivity.

Structural steel : Beams / channels / Angles/ Pipes



I - Beams 4 Wheel M/C - 150 - 50 - 4 W

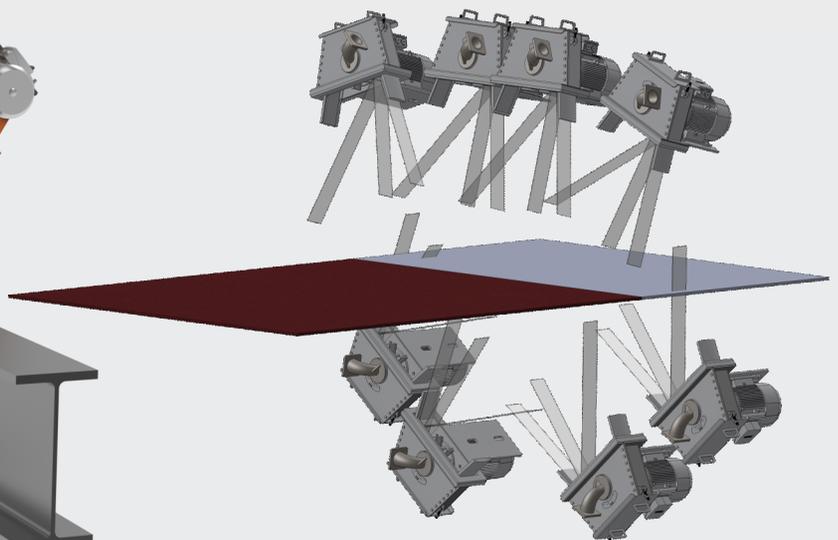
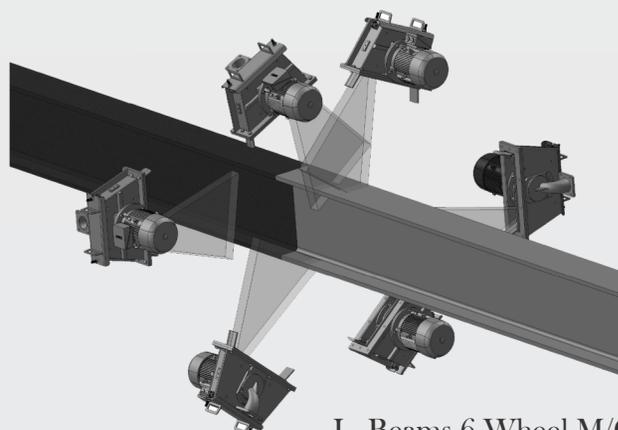


Plate Blasting M/C - 320 - 800- 8 W



I - Beams 6 Wheel M/C - 200-50 - 6 W



Machine components

1. Roller Conveyor
2. Screw conveyor
3. Blasting chamber
4. Bucket Elevator
5. Turbine
6. Rotary screen
7. Dust collector
8. Media trap
9. Outlet Roller conveyor



TECHNICAL SPECIFICATION

| EXAMPLES OF ADJUSTMENT OF SHOTBLASTING WHEELS | TYPE | COMPONENT DIMENSION | | COMPONENT DIMENSION MAX. SHEET WIDTH | SHOTBLASTING WHEEL | DUST REMOVAL PERFORMANCE |
|---|-----------------|---------------------|----------|---|--------------------|--------------------------|
| | | MAX. PROFILE | | | | |
| | | WIDTH | Height | | | |
| | AT -150-50-4W | 1500 | 500 | 1150 | Number 4 | 3780/4800 |
| | AT -200-50-6W | 2000 | 500 | 2100 | 6 | 6000/7500 |
| | AT -200-100-8W | 2000/2500 | 1000/500 | 3600 | 8 | 7500/9600 |
| | AT -300-150-10W | 3000 | 1500 | 4100 | 10 | 12000/15000 |

Note :- We also design & manufacture machine as per your requirement.

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