



# ***GEC Belt Conveyor***

Shot Blasting Machine with Automatic  
Abrasive Recovery & Dust Collection System



## ***GEC Belt (Rubber / Wire mesh)***

GEC Belt (Rubber / Wire mesh) Conveyor Shot Blast refers to a type of shot blasting machine that utilizes a Belt (Rubber / Wire mesh) conveyor system for the transportation of workpieces through the blasting process. This system allows for continuous and automated operation, ensuring efficient and uniform cleaning or surface treatment.

In Belt (Rubber / Wire mesh) Conveyor Shot Blasting, the workpieces are placed on the conveyor Belt (Rubber / Wire mesh), which moves them through the blasting chamber. As the workpieces pass through, abrasive media is propelled at high velocity by blast wheels, impacting the surface to remove contaminants, scale, or rust. This blasting method is commonly used in industries such as automotive, metal fabrication, foundries, and aerospace, alloy wheels, stone processing where large volumes of workpieces need to be processed. It offers advantages like high productivity, consistent results, and the ability to handle various workpiece sizes and shapes. Belt (Rubber / Wire mesh) Conveyor Shot Blast machines are designed to improve efficiency and achieve quality surface finishes.



**BLAST WHEEL - DIRECT DRIVE**



**BLAST WHEEL - BELT DRIVE**



### → ***GEC Blast Chamber -***

The GEC Blast Chamber is engineered for maximum durability and efficiency, featuring an interior fully lined with high-grade manganese steel. Known for its exceptional toughness and self-hardening properties under impact, manganese steel offers superior resistance to abrasive wear from continuous blasting operations. This robust lining significantly extends the chamber's service life, minimizes maintenance downtime, and ensures consistent blasting performance even in heavy-duty industrial applications.



## → **GEC Dust Collector**

GEC Dust Collector – A high-efficiency air filtration system designed to capture and remove fine dust, abrasive particles, and airborne contaminants generated during blasting, grinding, or coating operations. Built with robust construction, powerful suction fans, and multi-stage filtration, it ensures a cleaner, safer workspace while extending equipment life and maintaining environmental compliance..



## → **GEC Roller Conveyor System**

GEC Roller Conveyor System – A robust and efficient material handling solution designed for smooth, continuous movement of workpieces through various production stages. Built with precision-engineered rollers and heavy-duty frames, it ensures stable transport of components of varying sizes and weights. Ideal for integration with blasting, painting, or assembly lines, the system offers customizable lengths, roller spacings, and drive options (motorized or gravity-fed) to match operational needs. Its durable construction minimizes maintenance while maximizing productivity in industrial environments.



## → **GEC Blast Turbines**

Engineered for durability and precision, GEC Blast Turbines deliver powerful abrasive projection for faster cleaning cycles and superior surface preparation. With optimized blade design, balanced wheel assembly, and high wear-resistant materials, these turbines ensure consistent blast patterns, reduced downtime, and maximum productivity in demanding shot blasting applications.



## → **GEC Control Panel**

The GEC Control Panel is a robust and ergonomically designed interface for managing and monitoring machine operations. Built with high-quality components, it offers precise control over process parameters, intuitive touch or push-button operation, and clear status indicators. Equipped with safety interlocks and overload protection, it ensures reliable performance, operator safety, and efficient workflow in industrial environments.



## → **GEC Abrasive Recovery System**

The GEC Abrasive Recovery System efficiently collects, cleans, and recycles blasting media for continuous operation. Using a combination of floor hoppers, screw conveyors, and air wash separators, it ensures minimal media loss, removes dust and contaminants, and maintains optimal abrasive quality. This system reduces operating costs, improves blasting consistency, and keeps the work area clean and safe.



# Machine components

1. Roller conveyor system
2. Blast chamber
3. Blast Turbines
4. Bucket elevator
5. Rotary screen
6. Abrasive Recovery system
7. Dust collector
8. Control Panel



## TECHNICAL SPECIFICATION

Model	ABC - 100 45 4W	ABC - 200 20 2W
Opening Width	1000 mm	2000 mm
Opening Height	450 mm	200 mm
Blast wheel Numbers	4	2
Blast Wheel Power	15 HP	15 HP
Blast wheel size	15.5"	19.5"
Belt (Rubber/Wire mesh) conveyor Speed	0.5 ~ 3.0 mtr/min	0.5 ~ 3.0 mtr/min
Belt (Rubber/Wire mesh) Material	Manganese Wire/Rubber	Rubber
Dust collector	Reverse Pulse Jet	Reverse Pulse Jet
Blow off Device	Yes	Yes
Pit Requirement	No	No

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

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