



Roller Conveyor for Aluminium Profile

Shot Blasting Machine



🔗 Blast Cabinet (Manganese Plate Lining)



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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.



ROTARY SCREEN



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.



→ **Aluminium Profile Shot Blasting Machine**

Aluminium Profile Shot Blasting Machine is specially designed to clean and texture aluminium extrusion surfaces by projecting abrasive media at high speed. The process removes oxides, contaminants, and surface imperfections, creating a uniform finish before coating or anodizing.

Applications

- < Aluminium Window & Door Profiles
- < Architectural Aluminium Sections
- < Aluminium Extrusion Industries
- < Automotive Aluminium Components
- < Decorative Aluminium Profiles

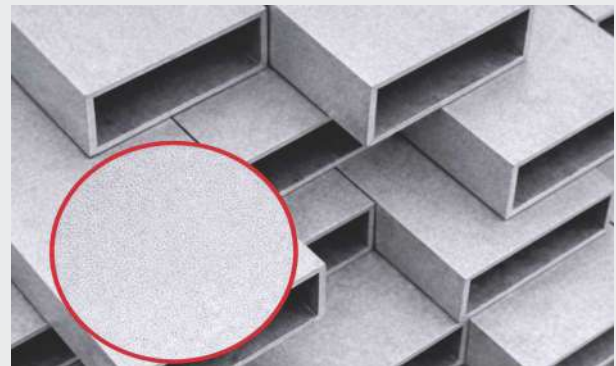
Benefits At A Glance

- < Blast Wheel Turbines
- < Roller Conveyor System
- < Blasting Cabinet Chamber
- < Abrasive Recovery System
- < Bucket Elevator
- < Air Wash Separator
- < Cartridge Dust Collector
- < PLC Control Panel

Product Before After



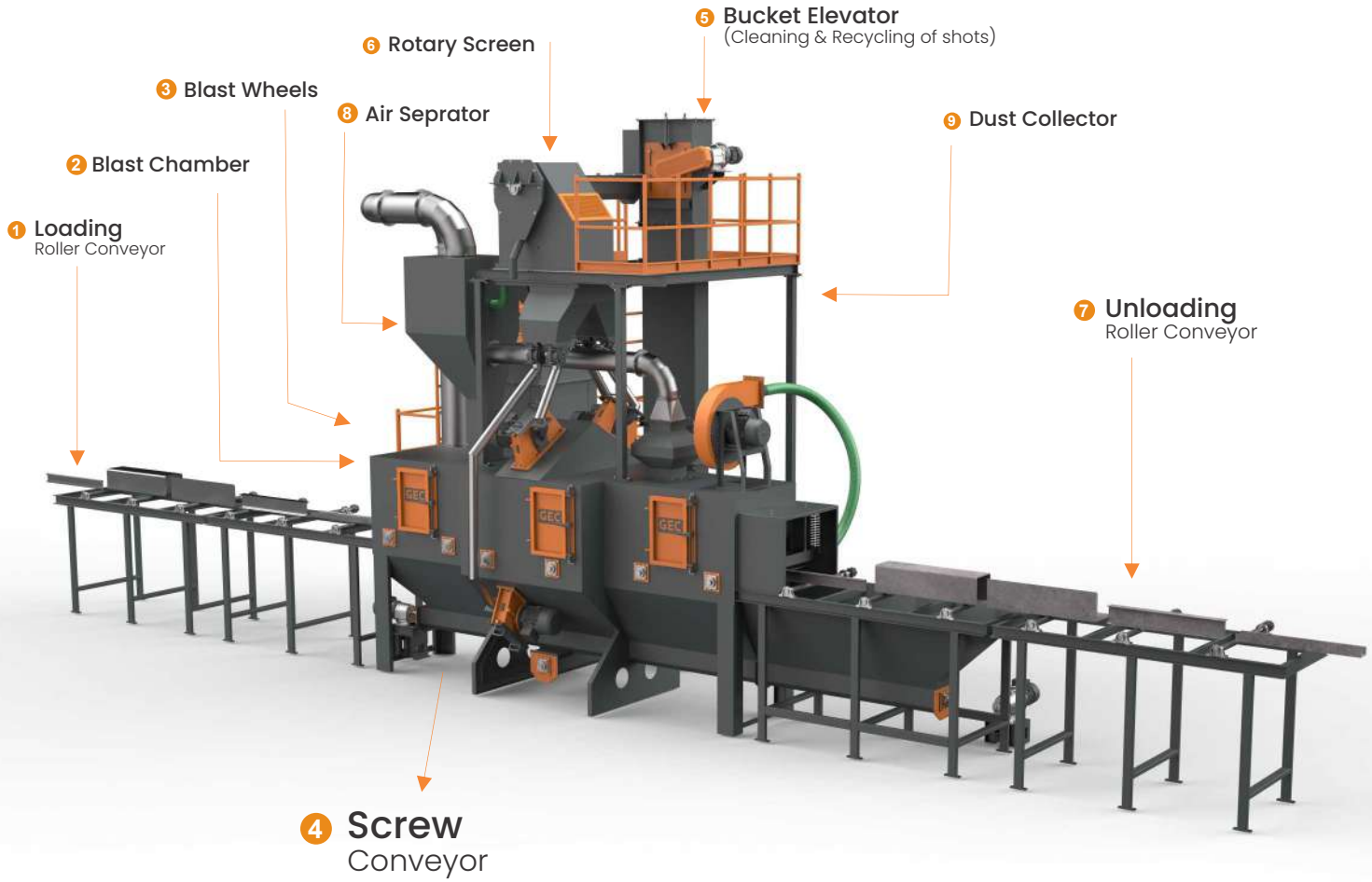
Before



After



Aluminium Profile shot Blasting Machine



TECHNICAL SPECIFICATION

S. No.	Description	AT-250-50-4W	AT-200-100-8W
1.	Opening Width	2500	2000
2.	Opening Height	500	1000
3.	No. of Blast Wheel	4	8
4.	Power of Blast Wheel	15 HP	15 HP
5.	Roller Conveyor Speed	0.5 – 3 m/min (variable)	0.5 – 3 m/min
6.	Type of Dust Collector	Pulse JET	Pulse JET
7.	Height of the Machine (mm)	6500	7700
8.	Roller Pitch (mm)	900	900
9.	Requirement of Pit	No	No

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

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