



Continuous Monorail

SHOT BLASTING MACHINE



GEC Auto-Hanger Continuous Monorail Blasting System

GEC introduces an advanced Continuous Monorail Shot Blasting Machine designed for continuous and high-efficiency surface cleaning. Equipped with multiple high-performance blast wheels, it ensures uniform and thorough blasting of workpieces suspended from an overhead monorail conveyor. The system allows nonstop operation, ideal for large-scale production lines. Its robust construction includes wear-resistant liners for long life, an automatic abrasive recovery and recycling system, and an efficient dust collector for clean operation. This advanced design delivers superior surface finishing, reduced maintenance, and seamless integration into automated production environments.

The machine incorporates an effective air dynamic separation system for constant cleaning of the abrasive. A vertical control panel can be customized according to customer needs. The main cabinet connects to a dust collection unit for suction power and can be automated with a programmable logic controller (PLC). The machine utilizes round, cast, or cylindrical shots for optimal surface coverage and scale removal.



The Continuous Monorail Blasting System features a straight overhead monorail conveyor where components are continuously loaded onto hangers and transported through the blasting chamber for processing. The workpieces are suspended on rotating hooks to ensure complete 360° surface coverage. High-efficiency blast wheels accelerate abrasive media to effectively remove rust, scale, and old coatings. This system is ideal for continuous production operations involving heavy or irregularly shaped components. It delivers consistent cleaning performance with high productivity in a compact and cost-effective design.

Key features:

- Continuous overhead monorail conveyor system.
- Heavy-duty rotating hooks for full 360° blasting coverage.
- High-efficiency blast wheels for powerful surface cleaning.
- Uniform and consistent surface finish.
- Suitable for heavy and irregular-shaped components.
- Compact design with space-saving layout.
- Low maintenance and durable construction.
- Energy-efficient operation.

Optional Features:

- Variable speed conveyor drive system
- PLC-based automatic control panel
- Automatic abrasive media replenishment system
- Rubber-lined or manganese steel protection liners
- Dust collector with cartridge or bag filter system
- Soundproof cabin for noise reduction
- Automatic loading and unloading system
- Stainless steel construction for special applications



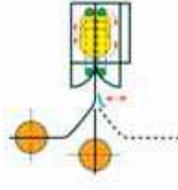
Construction Examples Of Monorail Guides

[1]



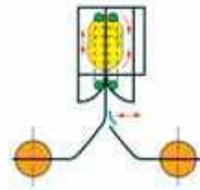
Overhead monorail with straight rail

[2]



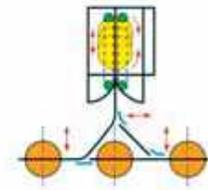
Overhead monorail one-sided with 1 switch (right or left)

[3]



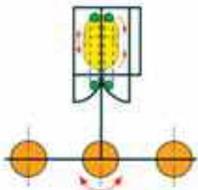
Overhead monorail with 1 switch

[4]



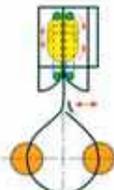
Overhead Monorail with 3 switches

[5]



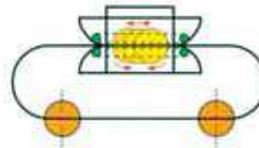
Overhead monorail with turn-switch

[6]



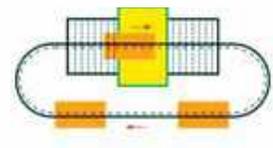
Overhead monorail circle with 1 switch

[7]



Hand operated oval circle overhead monorail alt. with power and free conveyor alt. with power and free

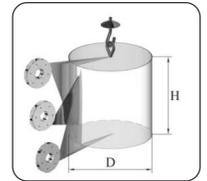
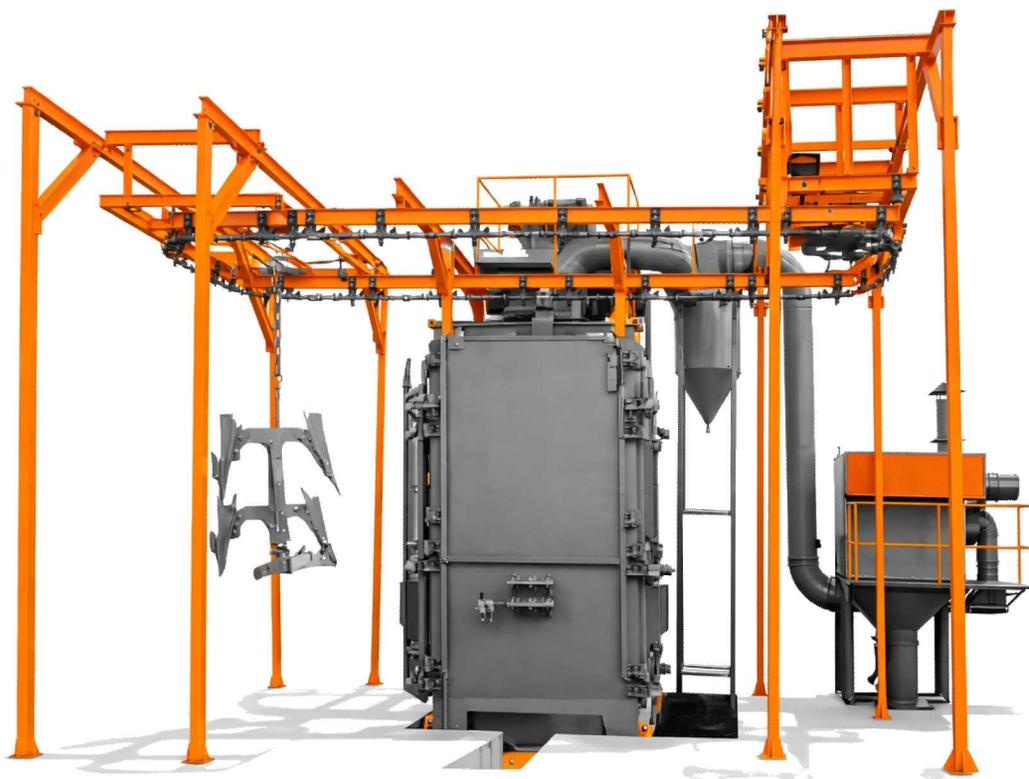
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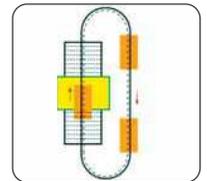
Summary Specification Table

Feature	Description
Continuous Monorail	Smooth and uninterrupted component movement.
Overhead Conveyor	Efficient material handling system.
Rotating Hangers	Complete 360° surface coverage.
Blast Wheels	High-impact abrasive cleaning.
Wheel Configuration	2–8 wheels (as required).
Heavy-Duty Cabinet	Wear-resistant and durable construction.
Manganese Lining	Extended service life.
Abrasive Recycling	Automatic media recovery system.
Dust Collection	Clean and pollution-free operation.
Control Panel	Manual / PLC based control.
Wide Application	Suitable for heavy & fabricated parts.

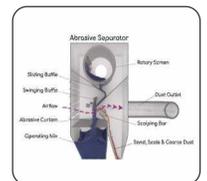




Blasting & Spinning Process



Continuous Monorail Process



Media Separator



**Blast Chamber
Manganese Lining**



**Blast Wheels Arrangement
(2 Wheels to 6 Wheels)**



Dust Collector

TECHNICAL SPECIFICATION

TYPE	TURBINE (Nos.)	COMPONENT DIMENSION		BLASTING CHAMBER			BUCKET ELEVATOR
		A	B	WIDTH	LENGTH	HEIGHT	WITH AIR SEPERATOR
				C	D	E	
CM 01	2	Ø 1000	1200	1300	2000	1800	6500
CM 02	3	Ø 1200	1600	1600	2300	2500	7200
CM 03	4	Ø 1600	2200	2400	2800	3200	7800
CM 04	5	Ø 2000	2800	2800	3400	3800	8500
CM 05	6	Ø 2500	3500	3200	4000	4500	9200

Note :- Other sizes available on customization.

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SHOTBLASTING
An ISO 9001:2015 Certified Compy