



I-Hanger Hook Type

SHOT BLASTING MACHINE



GEC Auto-Hanger Shot Blasting System

GEC Auto-Hanger Shot Blasting System The GEC Auto-Hanger Series is a robust and fully enclosed shot blasting solution, designed for cleaning and surface preparation of medium to heavy-duty components. Utilizing high-impact manganese steel (Hadfield steel) for the internal lining, the cabinet ensures durability and long service life.

The system is equipped with a motorized hook and rotation mechanism, enabling continuous part movement and optimized blasting angles via programmable intervals. The overhead monorail can be configured in straight, loop, or power-and-free arrangements. With options for 2 to 5 high-efficiency turbines and workpiece capacities ranging from Ø1000 mm to Ø2300 mm, the Auto-Hanger system suits diverse applications from foundries to fabrication workshops.



The I-Hanger Type shot Blasting Machine Features a straight monorail system where components are loaded onto a single hanger that moves into the blasting chamber for Processing. The workpieces are suspended on rotating hooks to ensure thorough 360° surface coverage. high-efficiency blast wheels accelerate abrasive Media to remove rust, scale, and old coatings. This setup is suitable for batch operations involving heavy or irregularly shaped parts and provides reliable cleaning performance in a compact and cost-effective design.

Key features:

- Automatic hook movement with load detection sensors.
- Programmable rotation cycles for uniform exposure.
- Efficient abrasive separation and dust collection.
- Inverter-controlled turbine speeds (optional).
- Capacities from 500 kg to 1000 kg per hook.

Optional Features:

- **Chamber Lining:** Complete Manganese lining Provided inside the entire chamber for enhanced durability and wear resistance.
- **Spinning Rotation:** Both side clockwise and anti-clockwise hanger rotation also provided for uniform and consistent surface finishing.
- **Blast wheel speed:** Variable speed setting allows fine and full abrasive coverage during blasting.
- **Hoist system:** simplifies handling of heavy components safely and efficiently.
- **Media separator Air Wash System:**
 - (a) Rotary Screen - Removes large debris.
 - (b) Magnetic separator - Eliminates ferrous particles for cleaner media.



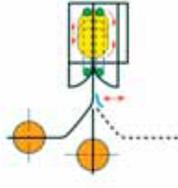
Construction Examples Of Monorail Guides

[1]



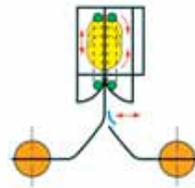
Overhead monorail with straight rail

[2]



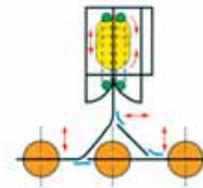
Overhead monorail one-sided with 1 switch (right or left)

[3]



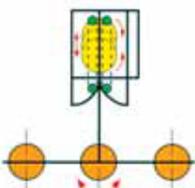
Overhead monorail with 1 switch

[4]



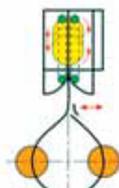
Overhead Monorail with 3 switches

[5]



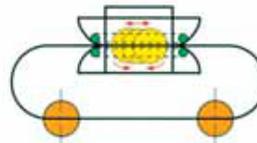
Overhead monorail with turn-switch

[6]



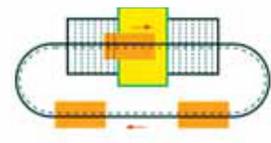
Overhead monorail circle with 1 switch

[7]



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

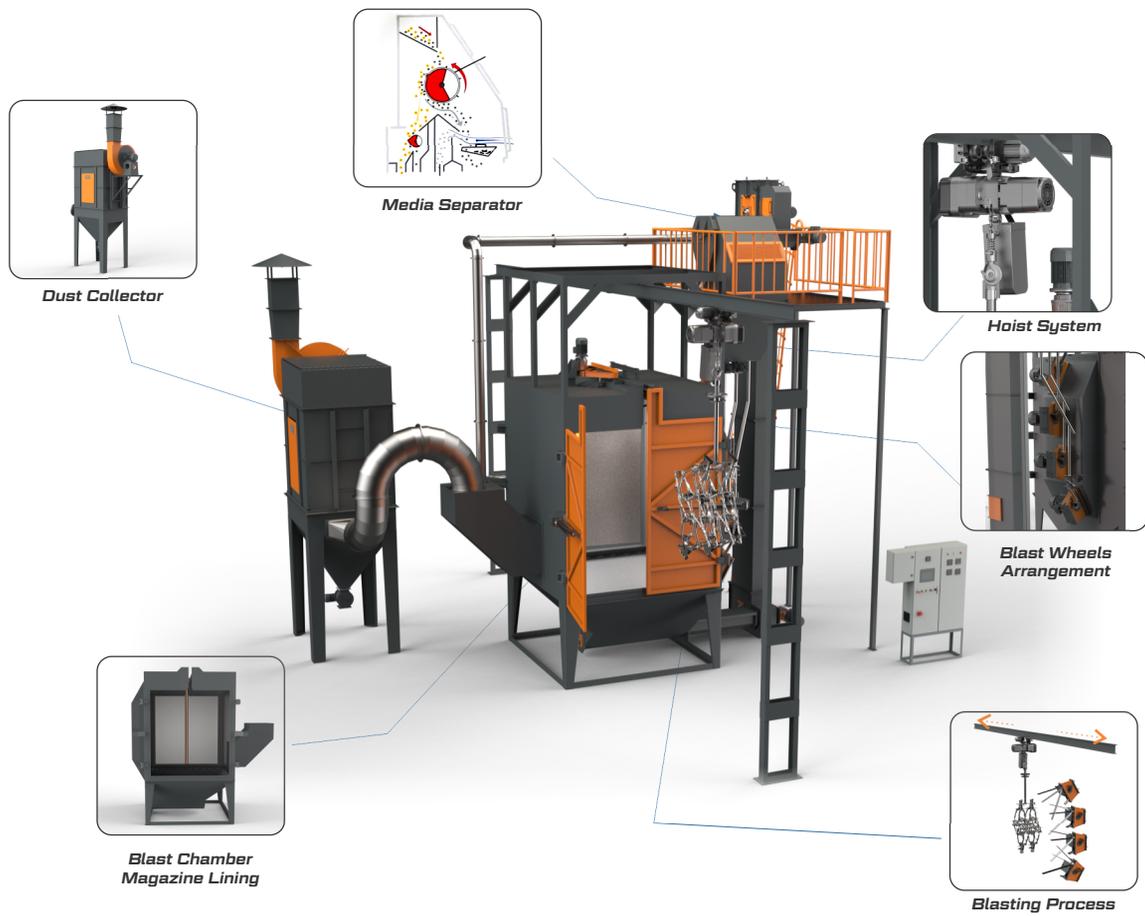
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Summary Specification Table

Feature	Description
Hook Capacity	500kg (single I-hook design)
Max. Workpiece Size	1000mm (W) × 1500mm (H)
Hook Type	Single "I" spinner-hanger rotating hook
Foundation Requirement	No pit / foundation
Blast Wheels	2–4 turbines; approx. 7.5–15 kW each
Media	Steel shot / grit (Ø 0.3–2.8 mm)
Abrasive Recycle System	Screw conveyors → elevator → separator
Dust Filter	Automatic self-cleaning type
Inverter Option	Controls turbine RPM electronically
Control Panel	PLC with optional HMI, timers, monitoring
Chamber Lining	Manganese steel plates for durability





TECHNICAL SPECIFICATION

Model	1 Hanger 2 Wheel	1 Hanger 3 Wheel	1 Hanger 4 Wheel	1 Hanger 5 Wheel	1 Hanger 6 Wheel
Envelope Size (DxH)mm	1000 x 1500	1500 x 2000	2000 x 2500	2500 x 3000	3000 x 3500
Hook capacity	500 Kg	1000 Kg	2000 Kg	3000 Kg	4000 Kg
No. of Wheels	2	3	4	5	6
Wheel Power (HP)	7.5 / 10 / 15	7.5 / 10 / 15	10 / 15 / 20	15 / 20 / 25	15 / 20 / 25
Overall Machine Dimensions (mm)	7000 x 3500 x 5000	8000 x 4000 x 5500	8000 x 5000 x 6000	10000 x 6000 x 6500	12000 x 7000 x 6500
Total Power Consumption (HP)	30 / 35 / 45	30 / 35 / 45	55 / 80 / 110	100 / 130 / 140	120 / 160 / 200
Optional (Hoist)	1 MT	1 MT	2 MT	3 MT	5 MT

Note :- Other sizes available on customization.

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GEC 

SHOTBLASTING
An ISO 9001:2015 Certified Compy