



SHOT BLASTING
An ISO 9001:2015 Certified Company

AIRLESS SWING TABLE TYPE SHOT BLASTING MACHINE



► Note : Special Model



www.gecblasting.com



raju@gecblasting.com

Armor and interior of machine in manganese



Manganese steel, also known as Hadfield steel, is a highly durable alloy primarily composed of 11-14% manganese and carbon (around 1.0-1.4%), with small amounts of other elements like silicon and phosphorus. It is well known for its high impact resistance, toughness, and work-hardening properties, making it an excellent material for armor and machine interiors.

MOTORIZED TURN TABLE BLASTING MACHINES

The doors come with safe interlock mechanism which ensures that the machine shuts down if the door(s) are opened during the shot blasting process. The shot blast chamber houses the turntable on which the products to be blasted are placed. The abrasive ejected out from the blasting wheel impact the part and drop down. The abrasives fall through the



perforated table and is fed to the bucket elevator via a chute/hopper system. For larger size of the machine, the hopper comes with a screw conveyor system that transports the abrasive media from the hopper below the table to the elevator. The abrasive shot blast chamber and the table is designed so that the abrasive media is retained and falls through to the hopper/chute and does not fall out of the machine when the doors are opened. The abrasive media is reused multiple times in the machine and this is achieved by the shot blast media recovery system which consists of elevator, media cleaner and storage Silo. The shot blasting media/abrasive is fed back to the abrasive blasting wheel/turbines via valves and hoses.



► **DUST COLLECTOR**



Dust laden air from the blast cabinet is sucked into the dust collector due to vacuum created by exhaust fan. The fine dust is collected in the fabric bags. The fabric bags are cleaned by the motorized shaker assembly (optional accessory) which should be operated periodically. Suitable preset timer shall be provided for bag shaking duration. Dust collector housing is fabricated from heavy duty MS sheets, suitably supported by angles and channels. Mechanical type flap valve is provided at the bottom of hopper for automatic discharge of dust. A manometer is provided for reading pressure drop across bags. Access door is also provided with ladder for maintenance purpose.

► **ROTARY SCREEN SEPARATOR**

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.





1. Turntable
2. Blasting wheels
3. Bucket Elevator
4. Rotary screen ducting
5. Platform
6. Door

TECHNICAL SPECIFICATION

TYPE	Maximum Job Height		Loading Height	Max. Load On Swing Table (kg.)	BUCKET ELEVATOR (WITH MAGNETIC SEPARATOR)		Turbine
	HEIGHT	WIDTH			F		
	B	C	D	E	Single Door HEIGHT	Double Door HEIGHT	Number
AST- 900	500	1250	750	500	4100	4300	1
AST- 1200	600	1450	950	750	4300	4300	1
AST- 1500	650	1950	950	1200	-	-	1
AST- 1800	1000	3550	950	2500	5000	5055	1
AST- 2400	1050	5750	1350	5000	5750	5700	2

Note :- Other sizes available on customization.

CONTACT US

 +91-8890960957

 www.gecblasting.com

 raju@gecblasting.com