

## Essential Element

**1. Construction of Working Chamber :** The heavy duty all welded cabinet is manufactured out of prime quality heavy duty steel plate and mounted on sturdy and rigid structural steel frame work. Manganese steel liners are fitted in direct and indirect blast zone of the cabinet (complete lining).

**2. Blast Wheel Assembly :** The rotor is made out of EN grade material duly hardened. The drive system of blast wheel (rotor) entails a set of self-lubricated and self-aligning pedestal bearings. The rotor is dynamically balanced.

**3. Abrasive Circulation System** for continuous & trouble free operation.

**4. Pulse Jet type Dust Collection System :** Dust Collector is provided to suck the dust from blasting cabinet. The filter bags of dust collector are made out of a non-woven PTEE pleated bags for low dust emission level.

**5. Roller Conveyor** is provided at inlet and outlet of blasting cabinet driven by suitable variable AC drive.



Technical Specification Sheet of Airless Shot Blasting Machine-Tunnel Type

S.No.	Particulars	AT-100-50-4W	AT-150-50-4W	AT-200-60-6W	AT-240-100-8W	AT-300-120-10W
1.	Passage Opening (Width x Height) in mm	1000 x 500	1500 x 500	2000 x 600	2400 x 1000	3000 x 1200
2.	Size of Blast Wheel	15 1/2" X 2 1/2"	15 1/2" X 2 1/2"	15 1/2" X 2 1/2"	15 1/2" X 2 1/2"	15 1/2" X 2 1/2"
3.	No. of Blast Wheel	4	4	6	8	10
4.	Power of Blast Wheel	15 HP	20 HP	20 HP	20 HP	20 HP
5.	Approx. Shots Flow Rate (Tons/Wheel/Hour)	10	12	12	12	12
6.	Shot Velocity (Mtr./Second)	70-75 Mtrs./Sec.	70-75 Mtrs./Sec.	70-75 Mtrs./Sec.	70-75 Mtrs./Sec.	70-75 Mtrs./Sec.
7.	Shots Consumption	Approx.0.15Kgs./Hr. / Wheel/HP	Approx.0.15Kgs./Hr. / Wheel/HP	Approx.0.15Kgs./Hr. / Wheel/HP	Approx.0.15Kgs./Hr. / Wheel/HP	Approx.0.15Kgs./Hr. / Wheel/HP
8.	Conveyor Speed (Variable)	0.5 - 3.0 Mtr./Min	0.5 - 3.0 Mtr./Min	0.5 - 3.0 Mtr./Min	0.5 - 3.0 Mtr./Min	0.5 - 3.0 Mtr./Min
9.	Roller Pitch	900	900	900	900	900
10.	No. of Roller Conveyor Drive	2	2	2	2	2
11.	Initial Charge of Shots	1500 Kgs.	2000 Kgs.	3000 Kgs.	4000 Kgs.	5000 Kgs.
12.	Separator	Rotary Screen Separator 1000mm lip width	Rotary Screen Separator 1000mm lip width	Rotary Screen Separator 1000mm lip width	Rotary Screen Separator 1000mm lip width	Rotary Screen Separator 1000mm lip width
13.	Separation Principal	Through Air Current	Through Air Current	Through Air Current	Through Air Current	Through Air Current
14.	Descaling Effect	SA 2 1/2 to SA 3	SA 2 1/2 to SA 3	SA 2 1/2 to SA 3	SA 2 1/2 to SA 3	SA 2 1/2 to SA 3
15.	Initial Rust Degree	A-B	A-B	A-B	A-B	A-B
16.	Type of Dust Collector	Pleated Bag	Pleated Bag	Pleated Bag	Pleated Bag	Pleated Bag
17.	CFM of Dust Collector	4000	6000	10000	12000	16000
18.	Shots Blown-off Device	Provided	Provided	Provided	Provided	Provided

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



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Airless Tunnel Type 10 Wheel Blasting M/c  
for 'I' & 'H' Section



Airless Tunnel Type 10 Wheel Blasting M/c  
for 'I' Section Cleaning



Airless Tunnel Type 6 Wheel Blasting M/c  
for Welded Structure



Airless Tunnel Type 6 Wheel Blasting M/c  
for Structure Industries



Airless Tunnel Type 6 Wheel Blasting M/c  
for 'I' & 'H' Section



Airless Tunnel Type 6 Wheel Blasting M/c  
for Plate Cleaning



Airless Tunnel Type 6 Wheel Blasting M/c  
for Plate Cleaning



Airless Special Tunnel Type 4 Wheel  
Blasting M/c for 'C' Channels



Airless Tunnel Type 4 Wheel Blasting M/c  
for Structures



Airless Tunnel Type 4 Wheel Blasting M/c  
for Structures



Airless Tunnel Type 4 Wheel Blasting M/c  
with Pre Heating Chamber for Plate Cleaning



Airless Tunnel Type 4 Wheel Blasting M/c  
for Plate Cleaning



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