



Blasting, Metallizing & Painting Equipments

Process Control & Systems

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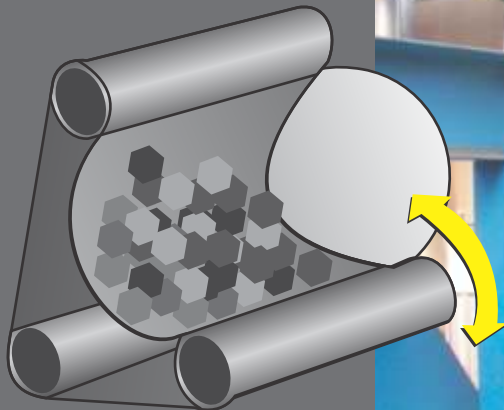
Our New Phone No : (033) 2530 0056



BLAST CLEANING & FINISHING SYSTEM

Airless Tumblast Type

Shot Blasting Machine



SMOOTH COMPLEXION FOR YOUR METAL SURFACE

These machines are sturdy, rugged and proven across a wide variety of working conditions. They have been designed to carry out the multifarious jobs of cleaning and peening in faster time and of a better quality than all other makes of the machine. The latest design of blast wheel is incorporated, in order, also to keep the maintenance costs significantly low. The rubber conveyor belt is rugged and gives long life. Hence the machine is most economical in operation.



ATB 27" x 36" with Pneumatic Control Door



ATB 27" x 36" with Loader Arrangement

PCS has inducted latest

technology and improved quality of Shot Blasting Machine Tumbblast type generally produced in the market. The Shot Blasting Machine has a powerful Blast Wheel station, the blast wheel is directly/indirectly mounted on shaft of motor, so that more amounts of shots can be propelled per HP and less maintenance. The Blast Wheel assembly contains a few alloy steel hard and the wheel blades are self /taper lock type. The work cabinet of the machine is fully lined with Manganese steel tiles. The door of cabinet have pneumatic cylinder for automated opening and closing of the same. An shot replenishes device is fitted on the abrasive recycling system, this device automatically adds the abrasive as and when there is shortage of abrasive in the storage hopper of wheel. Blast wheel is located on the top of the cabinet.

The abrasive recycling system houses an effective air dynamic separation system, which constantly cleans and washes abrasive. The vertical panel with all controls is provided and the panel can be positioned as per requirement of the customer. The main cabinet with abrasive recovery and cleaning system is connected through duct with reverse pulse jet type or cartridge type Fabric Filter Bag of dust collection unit which provide require suction power to the blast cabinet and abrasive recovery unit. The machine can be further automated by providing program logic controller (PLC).

Blast Media would normally be round (cast or cylindrical shots). The smaller used media in this mixture is important for equal coverage of the surface being blasted while the coarser media is important to break up any scale.

Features:

- Principle of simple tumbling mechanical process
- Compact Design
- Sturdy & robust construction
- Wide range of applications
- High quality surface cleaning
- Direct exposure to complete external area of surfaces
- Pit less
- Industrial clean environmental dust collector

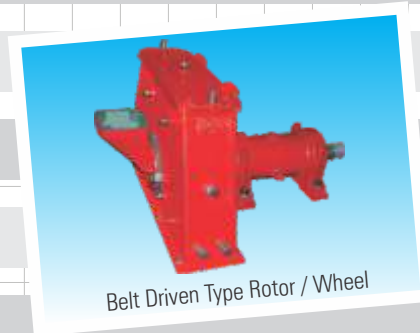
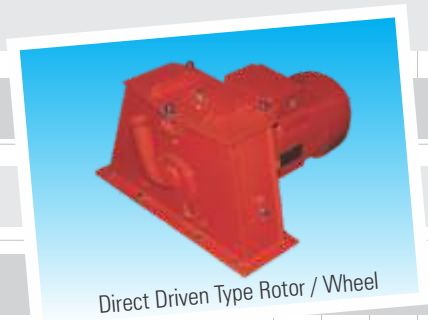
Benefits :

- Flexible varieties of small & large sized castings reliable cleaning
- Economical & reliable blast cleaning
- Low operational & maintenance cost
- Adoptability of any kind of loading method for work pieces
- Simple & quick installation on ready foundation
- Pre wired for immediate electrical supply
- Batch quantity production through direct loading without any fixture



OPTIONS :

- Work hardenable 11 to 14 % austenitic manganese steel / Rubber lining
- Pneumatically / Manual lifting type main door
- Gravity / Rotary screen abrasive separator
- PLC operated control with MMI / Logic relay auto sequence system
- Mechanical shaker / Continuous compressed air purge cleaning dust collector
- Rubber / Steel tumbling belt
- Mechanical / Hydraulic loader
- Auto abrasive replenish with abrasive level indicator
- Electronic brake system
- Magnetic floor sweeper-300(width)



TECHNICAL SPECIFICATION

Particulars		ATB 20" x 27"	ATB 27" x 36"	ATB 36" x 42"
Tumbler (Basket) Size (mm)	Drum Dia	500	675	900
	Drum Length	675	900	1050
Size of Wheel (dia x width)		12½" x 2½"	15½" x 2½"	19½" x 2½"
No. of Blast Wheel		1	1	1
Work Load Capacity	Max. Volume (Cubic Feet)	2	5	10
	Max. Weight (Kgs.)	80	200	500
	Max. Weight of Each Piece (Kgs.)	8	15	50
Power of Blast Wheel		7.5 HP	15 HP	20 HP
Type of Dust Collector (As per demand)		Plain Fabric Bag / Pleated Bag	Plain Fabric Bag / Pleated Bag	Plain Fabric Bag / Pleated Bag
Total Power Consumption		12.5 HP	24 HP	31.5 HP
Height of the Machine		4000mm	5200mm	6000mm
Requirement of Pit		No	No	No

Note: Above specifications are approximate and are subject to change without notice.

APPLICATIONS:

- Aesthetic finishing of Aluminum & Zinc alloy die casting
- Peening for small springs, fasteners, chain links etc.
- Adorning surfaces
- Light de-burring
- De-sanding
- Edge rounding
- De-scaling
- Cleaning
- De-coring
- Heat treatment scale removal
- Plastic de-flashing
- Rust Removal

Magna Valve
for
Shot Flow Control



Magna Valve & Shot Classifier are suggestible for Shot Peening purpose.



ATB - 16"x 22"



ATB - 20"x 27" with Loader



ATB - 27"x 36"



ATB - 36"x 42" with Loader



ATB - 36"x 42"
WITH LOADER ARRANGEMENT



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