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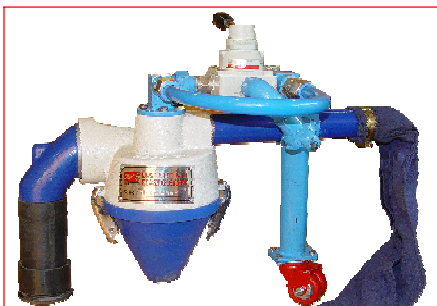
AUXILIARY EQUIPMENTS

ACOUSTIC CHAMBER, DUST COLLECTOR, SPRAY BOOTH, ABRASIVE BLASTING MACHINES

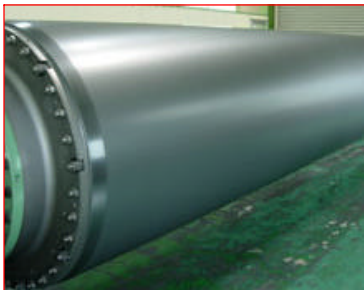


MODEL : MCB-V

is a portable blasting machine suitable for surface preparation before coating and needs only one man to operate. Abrasive is automatically and instantly recovered for reuse. Safe & dust free operation.



MEC P-14 : Mini MCB for small & touch up work



MOBILE CLOSED CIRCUIT BLASTING SYSTEM
For Surface Preparation & Industrial Cleaning

MOBILE CLOSED CIRCUIT BLASTING MACHINE; Model : MCB-V

Moderate Productivity Machine

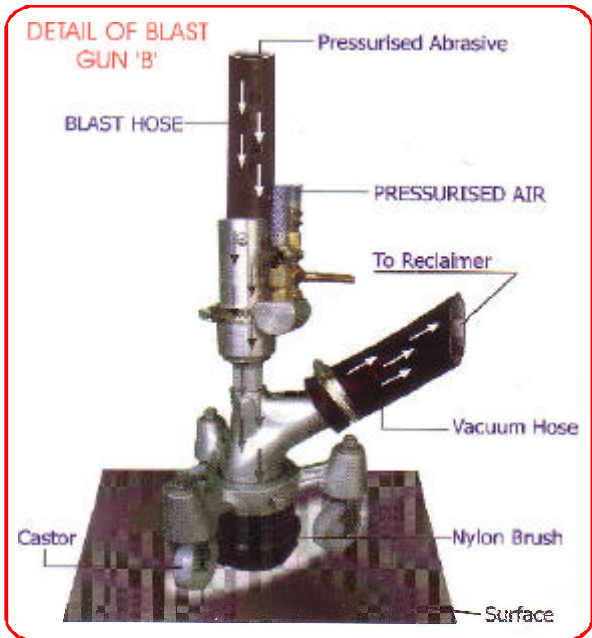
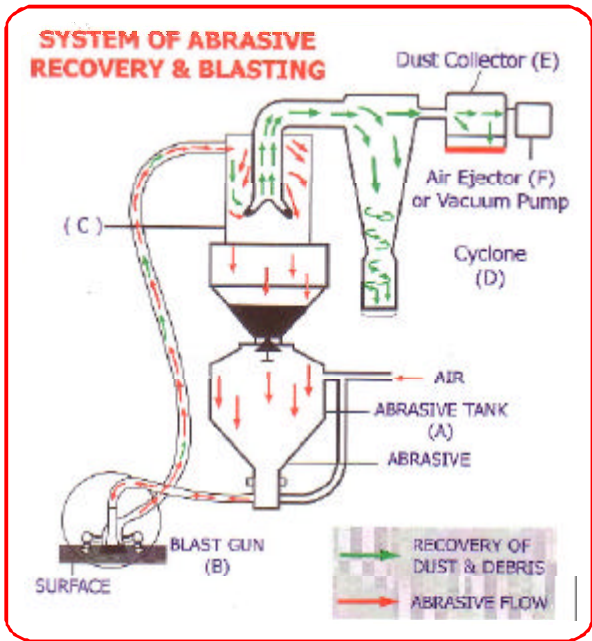
It is a high performance blasting machine for surface preparation required to get proper anchor pattern and then subsequently thermal spray coating can be performed.

It has its own integral system for recovery of abrasive, dust and debris. No flying dust & abrasive to contaminate surrounding.

WORKING PRINCIPLE

The system of MCB-V machine is shown here in diagrammatic cross-section; the arrows marked in red indicate abrasive flow from Abrasive Tank which is a pressure vessel, to blast gun and its return via vacuum hose to reclaimer.

The arrows marked in red and green represent recovery of debris and dust from blast gun. Abrasive is pressure fed from abrasive tank (a) to blast gun (b). Blast gun remains in close touch with surface to be cleaned. After cleaning the surface, abrasive, debris and dust is vacuum conveyed to reclaimer (c) where good reusable abrasive is air-washed, sieved and then returned to abrasive tank (d) for reuse. Thus only clean air is discharged into atmosphere from (e) dust collector. Reverse airflow (vacuum) is created by compressed air ejector or by vacuum pump (f). Blast and automatically transfers all dust, debris and used abrasive to reclaim via a vacuum hose, four castors facilitate movement along work surface. Any nylon brush surrounds the gun body to prevent escape of abrasive dust.



TECHNICAL SPECIFICATIONS

		Model: MCB-P (with pneumatic recovery)	Model: MCB-V (with vacuum pump recovery)
01	Overall Dimensions (approx.)	800x1100x2200H (mm)	800x2000x2200H (mm)
02	Abrasive Tank Capacity	21 liters	28 liters
03	Blast Nozzle TC	6 mm dia	6 mm dia
04	Blast Hose Dia & Length	19 mm x 7.5 M	19 mm x 7.5 M
05	Recovery System	Air Injector	By Electric Vacuum Pump
06	Reclaimer Type	Cyclone & Vibrating Screen	Cyclone & Vibrating Screen
07	Dust Collector	S.S. Cartridge	S.S. Cartridge
08	Compressed Air Requirement	5.10 M ³ /min. at 6.33 Kg/cm ²	2.55 M ³ /min. at 6.33 Kg/cm ²
09	Electrical Loading	NIL	10HP, 415V, 3P, 50/60Hz



Mobile Closed Circuit Blasting Machine; MCB-V



Mobile Closed Circuit Blasting Machine; MCB-P

APPLICATIONS

The MCB-V / P is ideal for in-plant maintenance work because it puts an end to flying dust and abrasive. It also cleans more efficiently than other hand tools. Used for shot peening, deburring and detaching the surface.

Thermal Spray Process : The jobs that are cylindrical in nature or are very heavy to shift frequently, this machine can give the proper surface preparation at the same spot where coating may be carried out.

In-plant Maintenance : Cleans large and bulky machines and roof trusses without interrupting production.

Chemical Plants : Quickly cleans process tanks in preparation for coatings. Spot blasting for repairing of coating and lining.

Nuclear Power Plants : Specially useful where pollution is a problem and maximum cleanliness must be maintained.

Gear Manufactures: Shot peens for added strength while large gears are in place.

Heavy Equipment Maintenance: Ideal for spot cleaning trailers, construction equipment or other large vehicle prior to coating.

SPECIAL FEATURES

Long Life Consumables : Apart from TC blast nozzle, the blast gun & suction assembly internal components have special hard surface that enhance the life by 5-7 times.

Dump Valve : This is always exposed to abrasive media is carbide coated at the area of sealing to ensure long service life.

Portable : Mounted on 4-wheels, it can be wheeled to job site. Needs only one man to operate.

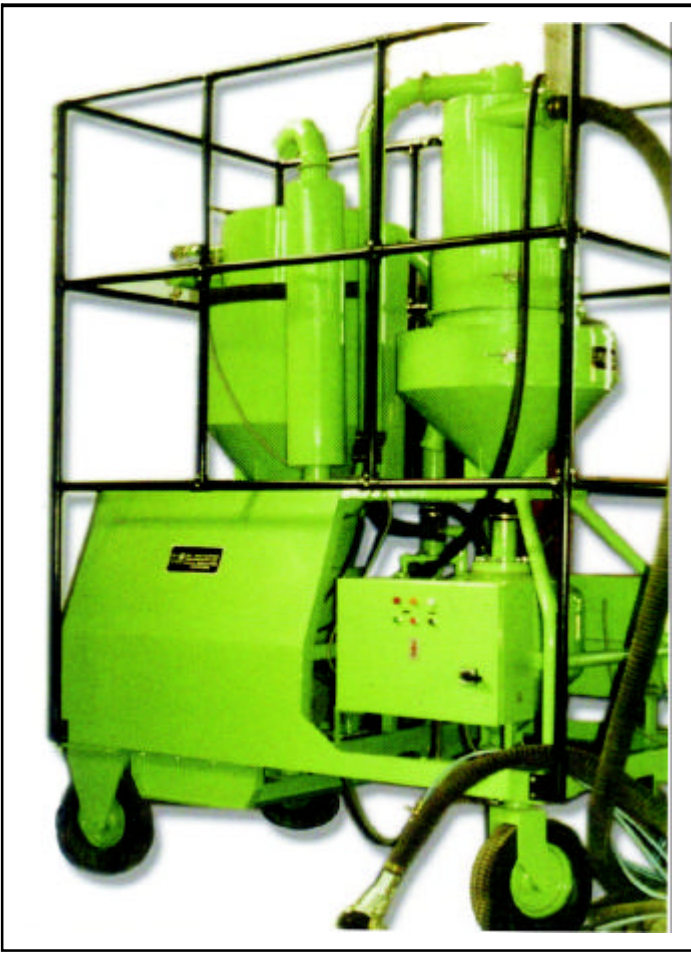
Blasting at high pressure-fed to blast gun, it is propelled at high force against work surface, thus increasing blasting output.

Uniform Cleaning & Finishing : Abrasive is cleaned of dust and debris in reclaimer before being discharged from blast nozzle. This ensures uniform surface finishing all the time.

Easy Control : Remote operated Start/Stop control is located at blast gun for ease of operator.

Reuse of Abrasive : Metallic abrasive like C.I. Grit and Steel Shots are used several times. Media recycling is automatic. Any type of abrasive except sand can be used depending upon surface to be cleaned and finish required.

Dust Free Operation : Dust, debris and used abrasive are recovered at the blast point. No flying of dust and abrasive into surrounding area.



MOBILE CLOSED CIRCUIT BLASTING MACHINE

Model : MCB-X

High Productivity Machine

BRIEF WORKING

The blasting is accomplished manually by holding the gun against the work surface, which is fairly straight. The equipment being closed circuit, the spent abrasive is sucked due to vacuum created and cycled into pressure generator after passing through the reclaiming unit. Thus, the used abrasive and dust created is contained within the equipment, keeping the blasting operation dust-free.

TECHNICAL SPECIFICATIONS

Complete Mobile Closed Circuit Blasting Machine with all accessories, and sub-assemblies is accommodated in two framework provided with lifting lugs. The machine is suitable for blasting with chilled from grit G-02 to G-39 of BS-2451 and aluminium oxide 14/24-60/80. The machine is capable for reclamation (with vacuum pump of 15 HP) from 22.8 mtrs. distance (maximum). Single gun is provided with super-sonic tungsten carbide nozzle. Proper sieving arrangement with heavy duty moisture separator to arrest line condensation from compressed air entering into the equipment to keep abrasive dry and blast surfaces uncontaminated to the extent possible.

The air consumption of nozzle depends on size of nozzle used and pressure during machine operation.

Overall Dimensions (approx.)	1600x2500x3600(H)mm
Abrasive Tank Capacity	112 liters
Blast Nozzle TC	9.5mm dia
Blast Hose Dia & Length	25mm x 15M
Recovery System	By Electric Vacuum Pump
Reclaimer Type	Cyclone & Vibrating Screen
Dust Collector	Cartridge type
Compressed Air Requirement	7.5M ³ /min. at 6.33Kg/cm ²
Electrical Loading	15HP, 415V, 3P, 50/60Hz

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