

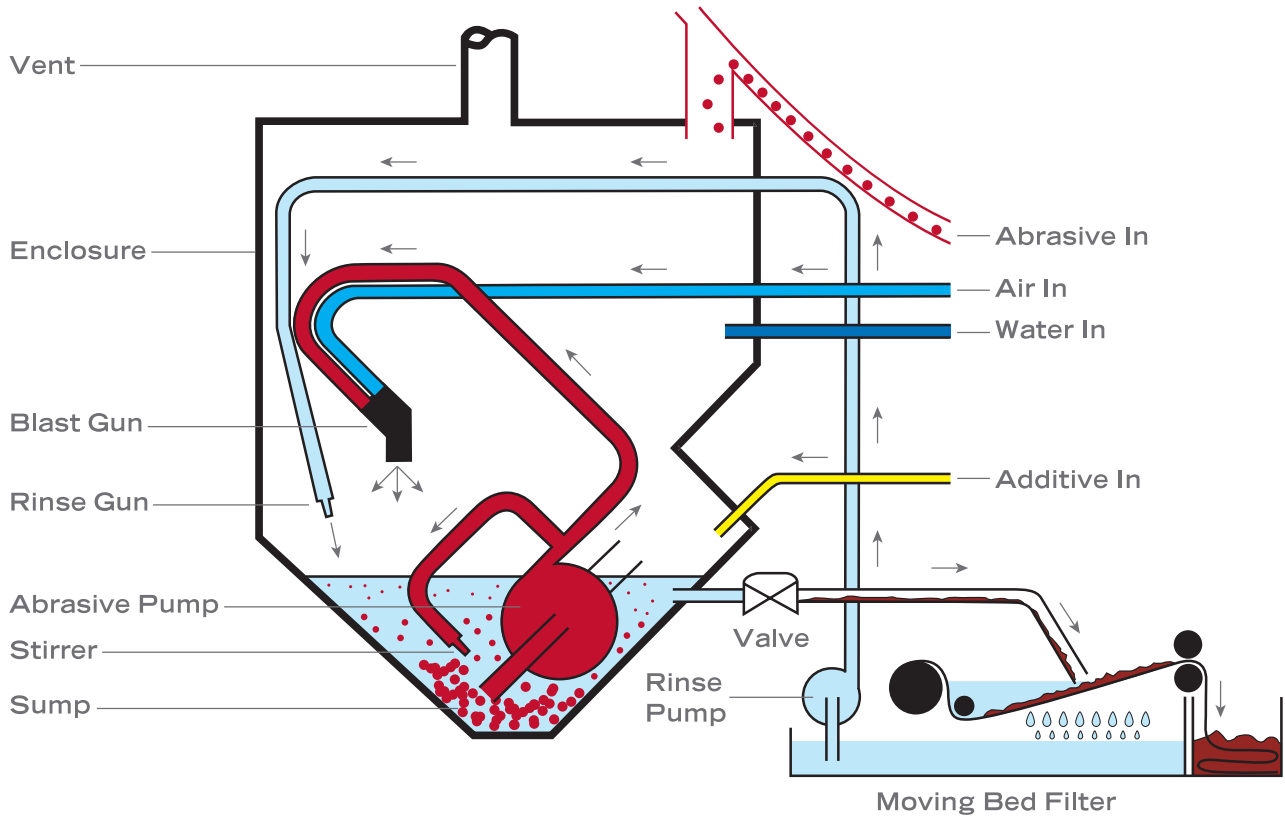


# Vapormatt



## Manual Wet Blast Machines

# The Wet Blast Process



## Benefits

- Concurrent Degreasing and Blasting
- Highly Controllable Surface Finishes
- No Dust
- No Surface Damage

## Machine Types

- Manual Cabinets
- Walk-in Booths
- Automated Production Machines

## We Provide

- Equipment Sales and Rentals
- Wet Blast Support Services for all Makes
- Abrasives for all Blasting Equipment

## Vapormatting

Vapormatting uses water and an abrasive medium, accelerated from a nozzle by compressed air, to provide a very effective and environmentally friendly 'closed-loop' and controllable surface finishing, cleaning and conditioning process.

Many different surface finishes can be produced.

The process can operate with all common blasting medias including aluminium oxide, glass bead, silicon carbide, ceramic and stainless steel shot and plastic media.

Media size can range from very coarse to ultra fine, typically from 16 to 1200 mesh.

Bio-degradable degreasing agents can be added and the water can be heated, further extending the capability of the process and enabling parts to be degreased and cleaned in a single operation.

Corrosion inhibitors can be utilised to protect the surface after cleaning.

# Manual Wet Blast Machines

## Vapormate

Component Envelope	Diameter 400mm
Load Capacity (max)	25kg
Overall Dimensions	W 700mm D 720mm H 1600mm



## Vapormatt | Panther

Component Envelope	Diameter 500mm
Load Capacity (max)	50kg
Overall Dimensions	W 1300mm D 700mm H 1750mm

### Advanced Design From The Leaders In Wet Blast Technology

Advanced cabinet construction technology incorporates the use of stainless steel, composites and moulded polymers to create rugged, corrosion free, sound insulated cabinets.

Cabinets are very long lasting.

Patented sump designs allow low loading and working heights which eliminate the need for high

operator work platforms, even on our largest cabinets!

Specialised agitation systems prevent slurry system blockages even after prolonged shut downs.

Most machines do not need access to the rear face and so can be located directly against a wall. This reduces overall space requirements.

High efficiency pumps and blast guns maximise processing speed & effectiveness whilst optimising energy use.

Machines are available with a patented water overflow system that minimises abrasive usage.

# Vapormatt | Cougar



Component Envelope	Diameter 1100mm
Load Capacity (max)	1500kg
Overall Dimensions	W 1700mm D 1450mm H 2300mm



# Vapormatt | Lynx

Component Envelope	Diameter 600mm
Load Capacity (max)	300kg
Overall Dimensions	W 1230mm D 1200mm H 2100mm

## Ergonomics and Operator Safety

Process guns are light and easy to use and can be provided with a hands free facility. All blast guns are fully compliant with relevant hand arm vibration regulations.

All machines operate within current EU regulations for workshop environmental noise levels.

Machines are fitted with safety glass windows, door safety interlocks, ergonomic foot switch controls, cushioned arm holes and have low loading heights.



## Vapormatt | Leopard

Component Envelope	Diameter 1850mm
Load Capacity (max)	5000kg
Overall Dimensions	W 2700mm D 2100mm H 2450mm



## Vapormatt | Lion

Component Envelope	Diameter 1350mm
Load Capacity (max)	2500kg
Overall Dimensions	W 1800mm D 2000 mm H 2400mm

### Easy Maintenance

Machines are provided with:

- Long life polyurethane pumps that can be speedily and easily removed without the need to drain the sump.
- Long life VSPS slurry pipe work, which can be disconnected without tools.
- Long life polyurethane blast guns fitted with replaceable ceramic nozzles.

### Filtration

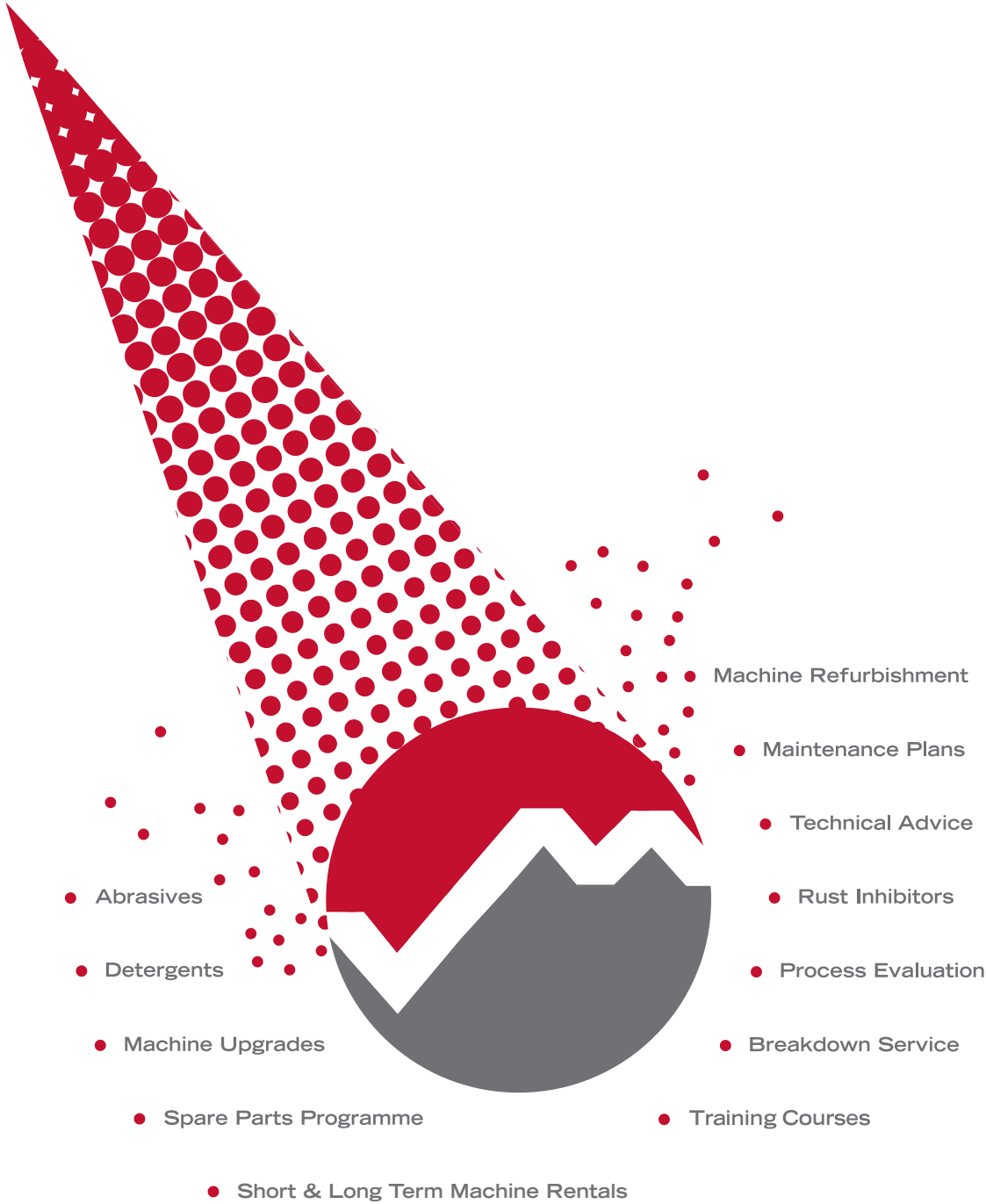
A large range of effluent handling and filtration systems are available to allow open, re-circulatory or fully closed loop machine operation.

Effluent control systems can be provided that are suitable for a range of environments from regular workshops to facilities involved with the processing and decontamination of highly toxic or radioactive components.

# Manual Wet Blast Machines

	Vapormate	Panther	Lynx	Cougar	Lion	Leopard
<b>Work Envelope (nominal)</b>						
Loading Maximum Available (kg)	25	50	300	1500	2500	5000
Diameter (mm)	400	500	600	1100	1350	1850
Height (mm)	300	350	1000	1000	1175	1250
Width (mm)	580	850	600	1250	1600	2100
Depth (mm)	400	400	900	1150	1450	1850
<b>Blast Power</b>						
Standard Power Option	2	3	4	4	4	4
High Power Option	2	3	6	6	6	6
<b>Cabinet Internal Dimensions</b>						
Height Above Lower Grids (mm)	300-520	360-600	1325	1500	1600	1670
Width (mm)	680	920	950	1400	1600	2300
Depth (mm)	680	660	800	1250	1650	1950
<b>Sump Capacity</b>						
Liquid Volume (l)	25	35	100	100	100	400
Abrasive Weight (kg)	4	10	30	30	30	100
<b>Compressed Air Requirement</b>						
Pressure (bar - psi)	5 / 75	5 / 75	5 / 75	5 / 75	5 / 75	5 / 75
Flow Standard Power Option (l/min - cfm)	570 / 20	850 / 30	1150 / 40	1150 / 40	1150 / 40	1150 / 40
Flow High Power Option (l/min - cfm)	570 / 20	851 / 30	1700 / 60	1700 / 60	1700 / 60	1700 / 60
<b>Electrical Requirement (Others Available)</b>						
Phases (All Require N+E)	1	1	3	3	3	3
Voltage (V) 50Hz	220 / 240	220 / 240	380 / 440	380 / 440	380 / 440	380 / 440
Current Requirement (amps)	13	16	20	20	20	DOS
<b>Options</b>						
<b>Cabinet Enhancements / Operator Comfort / Process Effectiveness</b>						
Powered Adjustable Height Frame	X	✓	X	X	X	X
Additional Rubber Sheet Lining	X	X	✓	✓	✓	✓
Exhaust Extractor Fan Complete With Centrifugal Mist Eliminator	✓	✓	✓	✓	✓	✓
Immersion Heater (kW)	2	2	4.5	4.5	4.5	9
Component Blow Off Nozzle	✓	✓	✓	✓	✓	✓
Blast Gun Holding Bracket	✓	✓	STD	STD	STD	STD
Automatic Chemical Dosing System	X	X	✓	✓	✓	✓
<b>Work areas/component handling (enhanced load capacity available)</b>						
Raised Level Worktable	X	X	✓	✓	✓	✓
Turntable Mounted On Stand, Diameter mm / UDL (kg)	X	500 / 50	500 / 50	1100 / 600	1350 / 750	1850 / 750
Turntable Mounted On Swing Out Arm, Diameter mm / UDL (kg)	X	X	500 / 300	800 / 300	X	X
Turntable Mounted On Trolley + Exterior Load Station, Diameter mm / UDL (kg)	X	X	X	1100 / 600	1350 / 750	1850 / 750
Barrel Unit Diameter 250mm, Length 300mm	✓	✓	✓	✓	✓	✓
Barrel Unit Diameter 700mm, Length 400mm	X	X	X	X	✓	✓
Barrel Unit Diameter 400mm, Length 1800mm	X	X	X	X	X	✓
<b>Slurry System Enhancements</b>						
Hydrocyclone, For Fast Media Removal	X	✓	✓	✓	✓	✓
Sump Water Decant Valve, For Dirty Water Drain Off	✓	✓	✓	✓	✓	✓
Auto Sump Overflow Bubble Valve & Timer, For Optimising Media Usage	X	X	✓	✓	✓	✓
Abrasive Level Sight Glass, For Process Parameter Monitoring	✓	✓	✓	✓	✓	✓
Extra Blast Gun (s)	X	✓	✓	✓	✓	✓
<b>Effluent Filtration and Water Re-Circulation</b>						
Filter Type "S" - Sedimentation Filter	✓	✓	✓	✓	✓	✓
Filter Type "MB" Hand Operated Paper Filter 340mm	STD	STD	X	X	X	X
Filter Type "MB" Hand Operated Paper Filter 450mm	X	X	✓	✓	✓	✓
Filter Type "MB" Automatic Paper Filter 450mm	X	X	✓	✓	✓	✓
Filter Type "MB" Automatic Paper Filter 685mm	X	X	✓	✓	✓	✓
Re-Circulated Rinse Pump and Cartridge Filter System	✓	✓	✓	✓	✓	✓

# Wet Blast Support Services



## For further information contact:

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