

## AB-1020 EP Dust Free Vacuum Blast Machine

This compact electric-pneumatic driven injection vacuum blasting machine with an average blasting pattern of 16 mm width, is excellent to apply for blast cleaning weld seams, spot blasting of smaller areas, inspection and repair of engines and machinery overhaul, bodywork on vehicles.

### Features

- "Stand alone" unit includes automatic dust extraction and abrasive recycling system
- Quickly interchangeable blast head fittings to blast different surface shapes
- Fully pneumatic
- Allows blasting from 3 – 6 bar)
- Maximum hose length of 5 meters
- Easy injection blast principle

### Benefits

- Totally dust free environmentally friendly blasting
- Other job site operations can be conducted close to the blasting area
- Zero dust contamination on the job site
- Many common shapes can be blasted with ease
- Low operation cost due to the use of recyclable abrasive
- Flexible and versatile

### Applications:

- Cleaning of paint work
- Removal of floor coatings
- Roughening of various surfaces
- Cleaning of welds
- Decorative blasting of glass
- Cleaning and roughening of marble, granite and stone



### TECHNICAL SPECIFICATIONS AB1020

	Electrical pneumatic
Blast media capacity (litr.)	9
Max. hose length (mtr.)	5
Empty weight (kgs.)	25
Dimensions in cm. (WxLxH)	41 x 53 x 93
Max. working pressure (bar)	6
Max. air consumption (litr/min.)	480
Electric power (Watt)	1000
Electric current (Volts)	230
Average width of blast pattern (mm)	15-17
Max. abrasive size in mm.	1.0 (18 mesh)

## AB1030 EP/PN Dust Free Vacuum Blast Machine

All the Airblast vacuum blasting machines are designed to provide closed-system blasting by making the blasthead a small "containment structure". This speeds the job along, whether you are doing large-scale cleaning, or just spot blasting.

The removed coating and corrosion, plus the spent abrasives, are all deposited into a closed waste compartment. The air is filtered before it's exhausted. So the entire operation is virtually dustfree and safe for your crew and the environment.

The 1030 model is the most portable model of the range of Airblast Vacuum Blasting units. It is very well suited for cleaning small areas, and for weld preparation.

Rather than using a pressure blast vessel, the blast media is "lifted" from the machine by a vacuum generated at the blasthead, blasted onto the surface being cleaned and then vacuumed back into the unit for dust removal and reuse.

The recovery vacuum generator for this model is available in a pneumatic as well as an electric execution. The electric powered model is used in situations where the available compressed air source is limited.

### Applications:

- Cleaning of paint work
- Removal of floor coatings
- Roughening of various surfaces
- Cleaning of welds
- Decorative blasting of glass
- Cleaning and roughening of marble, granite and stone



### TECHNICAL SPECIFICATIONS AB1030

	Electrical pneumatic	Pneumatic
Blast media capacity (litr.)	17	17
Max. hose length (mtr.)	5	5
Empty weight (kgs.)	34	34
Dimensions in cm. (WxLxH)	41 x 53 x 114	41 x 53 x 132
Max. working pressure (bar)	6	7
Recommended compressor size (litr/min.)	1.000	2.300
Electric power (Watt)	1.700	-
Electric current (Volts)	220/240	-
Average width of blast pattern (mm)	20-22	20-22
Max. abrasive size in mm.	1 (18 mesh)	1 (18 mesh)

### Vacuum blasting machine AB1030 EP/PN (suction system) - Delivery includes:

- the complete blasting unit
- 5 m blast hose set consisting of a blast gun with 10mm BC blast nozzle
- grit supply hose
- 2" vacuum hose
- air connector
- 5 meter of electricity cable incl. plug (230V) for the EP version
- 3 standard brushes (brush flat, brush 90° inner corner and brush 90° outer corner)
- operator's manual
- export packaging

### Machine options and accessories:

\*) Pneumatic filter cleaning system. Beside the standard flat and corner brushes are special shaped brushes available.

## AB-1050 EP/PN Dust Free Vacuum Blast Machine

This fully pneumatically driven injection blasting machine with an average blasting pattern of 28-32 mm width is similar as the electric-pneumatic version, often used for blasting the heavier weld seams, grit blasting axes and cylinder shafts, larger machine parts before inspection and repair, shipbuilding, railway industry and maintenance, engines and engine overhaul, bodywork of vehicles and trailers, container overhaul, storage tank and vessel construction. Due to the absence of necessity of an electric power supply, this machine is ideally suited for mobile applications on location 'in the field' and minor repair work on larger projects and removing graffiti. Available in fully pneumatic and electro-pneumatic version.

### Features

- "Stand alone" unit includes automatic dust extraction and abrasive recycling system
- Quickly interchangeable blast head fittings to blast different surface shapes
- Fully pneumatic
- Allows blasting from low to high pressure (1 – 7 bar)
- Maximum hose length of 5 meters
- Can be incorporated into an automatic on-line blasting process
- Easy injection blast principle

### Benefits

- Totally dust free environmentally friendly blasting
- Other job site operations can be conducted close to the blasting area
- Zero dust contamination on the job site
- Many common shapes can be blasted with ease
- Low operation cost due to the use of recyclable abrasive
- Flexible and versatile



	Abrasive type	Obtained surface quality	Average production capacity per hour
<b>STEEL SURFACE</b>			
Corroded steel, shot primer, light coatings and millscale	Aluminium oxide, garnet	SA 2½ (SP10)	1,2 - 1,5 m <sup>2</sup> /hr.
Heavily corroded steel, heavy coatings, chlorinated rubber coating	Aluminium oxide, garnet	SA 2½ (SP10)	0,5 - 1,0 m <sup>2</sup> /hr.
Steel weld seams	Aluminium oxide, garnet	SA 2½ (SP10)	50 - 60 mtr./hr.
Stainless steel weld seams (decolourisation)	Glass beads	Polishing	40 - 50 mtr./hr.
<b>CONCRETE SURFACE</b>			
Bricks, natural stones. Cement film, light coating or graffiti removal	Aluminium oxide, olivine sand	Cleaning	1,5 - 2 m <sup>2</sup> /hr.
Removal of heavy coatings	Aluminium oxide, garnet	Removal of paint layer	0,5 - 2 m <sup>2</sup> /hr.
Cleaning without damaging	Walnut shell, olivine sand	Cleaning	1,0 - 2 m <sup>2</sup> /hr.

\*) All mentioned values are averages and may vary due to surface conditions, type of abrasive, abrasive quality, machine use and experiences of the operator. Do not use non recyclable abrasive or sand.

## AB-1050 EP/PN Dust Free Vacuum Blast Machine

TECHNICAL SPECIFICATIONS AB-1050		
	Electrical pneumatic	Pneumatic
Blast media capacity (ltr.)	28	28
Max. hose length (mtr.)	5	5
Empty weight (kgs.)	70	68
Dimensions in cm. (W x L x H)	530 x 610 x 1320	530 x 610 x 1400
Max. working pressure (bar)	7	7
Electric power (kW)	3.000	-
Electric current (Volts)	230	-
Recommended compressor size (ltr/min.)	1.600	3.500
Average width blast pattern (mm)	28/32	28/32
Max. abrasive size in mm.	1.2	1.2

### Vacuum blasting machine AB-1050

#### Delivery includes:

- the complete blasting unit
- 5 m blast hose set consisting of a blast gun with 12 mm BC blast nozzle
- grit supply hose
- 2" vacuum hose
- air connector
- 3 standard brushes (brush flat, brush 90° inner corner and brush 90° outer corner)
- operator's manual in English
- export packaging

#### Machine options and accessories:

\*) Pneumatic filter cleaning system. Beside the standard flat and corner brushes there are special shaped brushes available. Prices on request.

## AB-1060 EP/PN Dust Free Vacuum Blast Machine

This model "pressure fed" vacuum blasting machine is available in various versions, which makes it able to choose the best suitable machine for the blasting job.

The AB-1060's design is mostly used for vacuum blasting with light and medium weight abrasives such as aluminium oxide, garnet, olivine sand, glass beads and plastics. With an average blasting pattern width of 50 mm, this machine is often used in the following applications; tank construction, heavy steel constructions, yacht and ship construction, weld cleaning and finishing, on- and offshore pipeline industry, thermal metallizing coating processes, rubber roll cladding, aircraft industry, maintenance at refineries, granite and natural stone works, concrete construction and overhaul, road markings and linings, polyester and glass fibre industry, rolling and colander industry (plastics, paper). Available in fully pneumatic and electro-pneumatic version.



### Features

- "Stand alone" unit includes automatic dust extraction and abrasive recycling system
- Quickly interchangeable blast head fittings to blast different surface shapes
- Fully pneumatic or electric/pneumatic
- Blasting from low to high pressure (1,5 – 5,5 bar)
- Can be incorporated into an automatic online blasting process



### Benefits

- Totally dust free environmentally friendly blasting
- Other job site operations can be conducted close to the blasting area
- Zero dust contamination on the job site
- Many common shapes can be blasted with ease
- Low operation cost due to the use of steel abrasive
- Flexible and versatile

Surface	Abrasive type	Abrasive size	Obtained surface quality	Average production capacity per hour
<b>Steel: millscale, coatings and or corrosion</b>	Alu-oxyde Chilled iron Steel grit	0.8-1.2 mm. G17 / G24	SA 2½ (SP10)	4 - 6 m <sup>2</sup>
<b>Weld seams: steel</b>	Alu-oxyde Chilled iron Steel grit	0.8-1.2 mm. G17 / G24	SA 2½ (SP10)	70 - 80 mtr/hr.

\*) All mentioned values are averages and may vary due to surface conditions, abrasive quality, machine use and experiences of the operator.

## AB-1060 EP/PN Dust Free Vacuum Blast Machine

TECHNICAL SPECIFICATIONS AB-1060		
	Pneumatic Single Chamber (PN)	Electric/Pneumatic Single Chamber (EP)
Blast media capacity (ltr.)	40	40
Max. hose length (mtr.)	30	10
Empty weight (kgs.)	525	560
Dimensions in cm. (LxWxH)	1570 x 750 x 1860	1570 x 750 x 1860
Working pressure (bar)	1.5 - 5.5	1.5 - 5.5
Recommended compressor size (ltr/min.)	3.500 - 7.000	3.500
Electric power (Kw)	-	4.000
Electric current (V)	-	400
Average width blast pattern (mm)	50 - 75	50 - 75
Max. abrasive size (mm)	1.5	1.5
Recommended abrasives	Alu-Oxyde	Alu-Oxyde

### Vacuum blasting machine AB-1060

#### Delivery includes:

- 10m (EP), 15m (PN) hose set consisting of a blast hose, abrasive recovery hose, a double line control hose with trigger and all necessary hose connectors.
- Hardened aluminium blast head, a blast head inner tube flat, a blast head inner tube 90 and a 6,4 mm boron carbide nozzle.
- Set of standard brushes (brush flat, brush 90° inner corner and brush 90° outer corner).
- Adjustable venturi and pressure gauge for air driven version
- Operator's manual in English
- Warranty

#### Options and accessories:

- Extension blast hose set of 10m (PN)
- Extension blast hose set of 15m (PN)
- Extension blast hose set of 20m (PN)
- Large blast head incl. Borium Carbide Nozzle
- Floor trolley for large blast head

## AB-1070 EP/PN Dust Free Vacuum Blast Machine

The AB-1070 vacuum blast machine is an environmentally friendly dust free blasting solution which is easy to use, versatile and powerful. The use of steel abrasive provides cost effective, efficient and powerful blasting as well as close control of the surface preparation. Easily inter-changeable blast head fittings allow a variety of surfaces to be blasted including: flat, inside & outside corners, small & large diameter pipes etc. Additional accessories are available for specific applications such as to blast large horizontal surfaces or the edges of steel plates. As the process is safe and dust free other production processes can be carried out close to the blasting operation.

### Features

- "Stand alone" unit includes automatic dust extraction and abrasive recycling system
- Quickly interchangeable blast head fittings to blast different surface shapes
- Fully pneumatic
- Allows blasting from low to high pressure (1 – 8 bar)
- Maximum hose length of 35 meters
- Can be incorporated into an automatic online blasting process

### Benefits

- Totally dust free environmentally friendly blasting
- Other job site operations can be conducted close to the blasting area
- Zero dust contamination on the job site
- Many common shapes can be blasted with ease
- Low operation cost due to the use of steel abrasive
- Flexible and versatile



Surface	Abrasive type	Abrasive size	Obtained surface quality	Average production capacity per hour
<b>Steel: millscale, coatings and/or corrosion</b>	Alu-oxyde Chilled iron Steel grit	0.8-1.2 mm. G17 / G24	SA 2½ (SP10)	4 - 9 m <sup>2</sup>
<b>Steel: heavy corrosion</b>	Alu-oxyde Chilled iron Steel grit	0.8-1.2 mm. G17 / G24	SA 2½ (SP10)	3 - 8 m <sup>2</sup>
<b>Steel: blasted with shot primer</b>	Alu-oxyde Chilled iron Steel grit	0.8-1.2 mm. G17 / G24	SA 2½ (SP10)	5 - 9 m <sup>2</sup>
<b>Steel: Chlorinated rubber coating</b>	Alu-oxyde Chilled iron Steel grit	0.8-1.2 mm. G17 / G24	SA 2½ (SP10)	1.5 - 5 m <sup>2</sup>
<b>Weld seams: steel</b>	Alu-oxyde Chilled iron Steel grit	0.8-1.2 mm. G17 / G24	SA 2½ (SP10)	80 - 120 mtr/hr. (50 mm. width)

\*) All mentioned values are averages and may vary due to surface conditions, abrasive quality, machine use and experiences of the operator.

## AB-1070 EP/PN Dust Free Vacuum Blast Machine

TECHNICAL SPECIFICATIONS AB-1070		
	Pneumatic Single Chamber (PN)	Electric/Pneumatic Single Chamber (EP)
Blast media capacity (ltr.)	40	40
Max. hose length (mtr.)	45-60	15
Empty weight (kgs.)	525	590
Dimensions in cm. (WxLxH)	1570 x 750 x 1860	1570 x 750 x 1860
Max. working pressure (bar)	8	8
Electric power (Kw)		9.200
Electric current (V)		400
Recommended compressor size (ltr/min.)	3.500 - 10.000	3.500 - 5.000
Average width blast pattern (mm)	50 - 75	50 - 75
Max. abrasive size (mm)	1.5	1.5

### Vacuum blasting machine AB-1070

#### Delivery includes:

- 15 m hose set consisting of a blast hose, abrasive recovery hose, a double line control hose with trigger and all necessary hose connectors.
- Hardened aluminium blast head, a blast head inner tube flat, a blast head inner tube 90 and a 6,4 mm boron carbide nozzle.
- Set of standard brushes (brush flat, brush 90° inner corner and brush 90° outer corner).
- Adjustable venturi and pressure gauge for air driven version
- Operator's manual in English
- Warranty

#### Options and accessories:

- Extension blast hose set of 10m
- Extension blast hose set of 15m
- Extension blast hose set of 20m
- Large blast head incl. Borium Carbide Nozzle
- Floor trolley for large blast head