

Shot Blasting Machines



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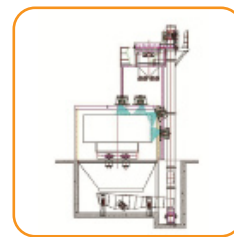
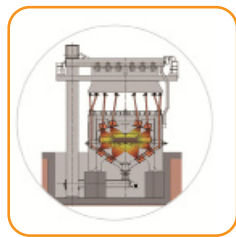
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Introduction

Welcome to Airblast Shot Blasting Machines

This guide features the most effective & efficient equipment in improving your blasting & painting process. The impetus to invest in Airblast Shot Blast Machines may be driven by the desire to gain a competitive edge over your competitors, to better control the quality achieved, or by environmental legislation – whatever the reason the move to utilizing Airblast Shot Blast Machines ensures that each process is undertaken in the most efficient and effective manner.



As this guide features only the main pieces of equipment required there may be items which you wish to purchase which are not mentioned within these pages – please consult with your local Airblast representative to receive details of the full range of products.

We trust that you will find this guide interesting and informative – we look forward to discuss with you your specific requirements.

For more than 40 years Airblast has been the world leader in providing blasting and painting solutions to the anti-corrosion industries. With an unparalleled network of offices around the world Airblast works closely with our customers and distribution partners providing tried and tested equipment as well as developing customized solutions for specific applications.

Airblast is dedicated to maintain a profitable organization on a long term basis through ethically and morally sound business practices. By investing in the long term future of our organization, and those with whom we conduct business, Airblast believes that we can share sustained mutual success.

Our manufacturing facilities in Europe and the Far East produce fit for purpose quality products with region specific certification. All Airblast equipment is manufactured according to the highest relevant safety standards and passes our rigorous quality controls before dispatch.

Mindful of the environmental responsibilities faced by our generation Airblast is committed to a programme of research and development into technologies facilitating zero emission blasting and painting along with an education programme promoting planet friendly operations.

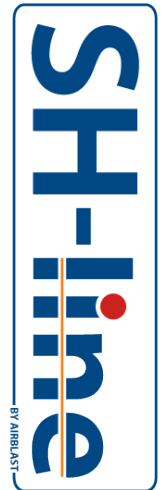
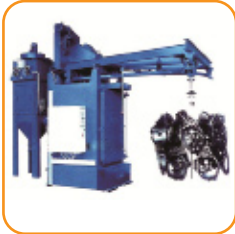
Roller Conveyor Shot Blasting Machines



The RC-line roller conveyor machines are available in 3 different versions. The S (Standard) & H (Heavy Duty) are shot blasting machines designed to process plates, sections, angles, pipes and others. The C (Construction) machine is specially designed for post fab structural components to be used in industries such as shipyard, automobile, motorcycle, bridge, machine and others to be used in industries such as steel structure, machine builders, shipyards and subcontractors.

| Type | S/H/C 15.410 | S/H/C 25.610 | S/H/C 33.801 | S/H/C 45.1010 |
|--|---------------------|---------------------|---------------------|----------------------|
| Effective cleaning width (mm) | 1500 | 2500 | 3300 | 4500 |
| Room feed-in size (mm) | 1550×600 | 2600×600 | 3400×600 | 4600×600 |
| Length of workpiece (mm) | 1200-12000 | 3000-12000 | 2400-12000 | 4500-18000 |
| Speed of wheel conveyer (stepless speed variation) (mtr./min.) | 0.5-4 | 0.5-4 | 0.5-4 | 0.5-4 |
| Thickness of steel sheet (mm) | 1.5-60 | 3-60 | 3-110 | 4.5-100 |
| Beam size reference (mm) | 1000×300 | 1300×300 | 2 x 800×300 | 2 x 1000×300 |
| Quantity of shot blasting (kg./min.) | 4 x 250 | 6 x 250 | 6 (8) x 360 | 8 x 360 |
| First enclosed quantity (kg.) | 4000 | 4500 | 8000 | 11000 |
| Roll brush adjusting height (mm) | 600 | 600 | 600 | 600 |
| Filter capacity (m ³ /hr.) | 8000 | 12000 | 16000 | 24000 |
| Exterior size (mm) | 15200×5370 ×6797 | 31200×8070 ×7500 | 44042×6385 ×7758 | 45000×7830 ×11117 |
| Power (except for dust cleaning) (kw) | 113.5 | 204.8 | 224.55 | 293.6 |

Spinner Hanger Shot Blasting Machines



The SH-Line is compact in design, does not require a pit, and consists of units featuring single hook, double hook, lifting and non-lifting style designed to blast all kind of foundry parts, structural components, non-ferrous alloy parts.

| Type | Model | Cleaning workpiece size (diameter x height) | Carrying capacity per unit hook (kgs.) |
|---------|---------------|--|---|
| SH375 | Single-hanger | 500 x 1000 | 500 |
| SH376 | Single-hanger | 800x1200 | 600 |
| SH376E | Double-hanger | 800x1200 | 600 |
| SH378 | Single-hanger | 1000x1500 | 800 |
| SH378E | Double-hanger | 1000x1500 | 800 |
| SH3710 | Single-hanger | 1200x1500 | 1000 |
| SH3710E | Double-hanger | 1200x1500 | 1000 |
| SH3720 | Single-hanger | 1500x2000 | 2000 |
| SH3720E | Double-hanger | 1500x2000 | 3000 |
| SH3730 | Single-hanger | 1500 x 2000 | 3000 |
| SH3750 | Double-hanger | 2000x2500 | 5000 |

Tumble Belt Shot Blasting Machine



The TB32 can be used for surface cleaning, removing rust and surface intensification of various small and middle sized cast or forged work pieces. The addition of a continuous conveyor allows for increased production rates when used as part of a production line.

| Type | TB326 | TB3210 | TBR3210 |
|--|--------------------|--------------------|--------------------|
| Productivity (T/h) | 0.6 - 1.2 | 3 - 5 | 1.5 - 2.5 |
| Loading weight (kg) | 200 | 800 | 600 |
| Max. weight of one piece (kg) | 10 | 15 | 30 |
| Diameter of roller (mm) | 650 | 1000 | 1000 |
| Available capacity (m ³) | 0.15 | 0.4 | 0.3 |
| Pill impelling volume (kg/min) | 100 | 250 | 250 |
| Dedusting air volume (m ³ /h) | 2200 | 6000 | 5000 |
| Power dissipation (kw) | 12.6 | 32.6 | 24.3 |
| Appearance dimension (mm) | 3681 x 1650 x 5800 | 3644 x 2926 x 5856 | 3972 x 2600 x 4768 |
| Total weight (kg) | 2340 | 5843 | 7400 |

Tumble Belt Shot Blasting Machine



The TB15GN & TB28GN Series can be used to remove sand and rust from cast, forged and welded parts as well as aluminum and other non-ferrous parts. This series is especially effective for hard-to-clean parts, non-fragile parts, and non-core castings.

| Type | TB15GN | TB28GN |
|----------------------------------|-------------|-------------|
| Size of roller (mm) | 1090 x 1245 | 1245 x 1778 |
| Diameter of roller (mm) | 1092 | 1250 |
| Working cubage (m ³) | 0.43 | 0,79 |
| Max. weight of one piece (kg) | 227 | 363 |
| Max. size of one piece (mm) | 1000 | 1000 |
| Loading weight (kg) | 800 | 3500 |
| Pill impelling volume (kg/min) | 480 | 340 x 2 |
| Impeller head power (kw) | 22 | 30 |

Multiple Rotating Shot Blasting Machines



The MR58 features hanging chain type continuous duty overhead rail shot blasting machines used for batch cleaning of small to medium sized castings, forged parts and alloys.

| Type | MR583 | MR585 | MR5810 | MR588 |
|---|--------------------|--------------------|--------------------|--------------------|
| Cleaning workpiece size (diameter in mm) | 800 x 1500 | 800 x 1200 | 1300 x 2800 | 550 x 2200 |
| Number of workpiece position | 2 | 3 | 2 | 2 |
| Quantity of impeller head | 4 | 6 | 6 | 4 |
| Impeller head volume (kg/min) | 4 x 250 | 6 x 360 | 6 x 330 | 4 x 480 |
| Impeller head power (kw) | 4 x 15 | 6 x 22 | 6 x 22 | 4 x 22 |
| Max. hanging weight (kg) | 300 | 500 | 1000 | 800 |
| Productivity hanger (/h) | 40 | 55 | 50 | 30 |
| Cleaning workpiece size (mm) | 3062 x 1800 x 2800 | 8500 x 1800 x 3885 | 8500 x 2300 x 4800 | 6800 x 2600 x 3325 |
| Total Air rate volume (m ³ /h) | 16000 | 18000 | 18000 | 17200 |
| Power (except for dust cleaning) (kw) | 74.5 | 186.85 | 186.85 | 121.05 |



Multiple Rotating Shot Blasting Machines



The MR38 & MR48 are multiple step rotating point machines featuring overhead rail and continuous duty operation. These machines can be used to clean rust and sand from casting and work pieces to be fitted to vehicles such as bolsters and side frames, as well as other types of steel structure and mechanical parts.

| Type | MR383 / MR483 | MR385 / MR485 | MR4810 |
|---|--------------------|--------------------|--------------------|
| Cleaning workpiece size (diameter in mm) | 800 x 1200 | 1000 x 1500 | 1000 x 2500 |
| Number of workpiece position | 2 | 2 | 2 |
| Quantity of impeller head | 4 | 4 | 6 |
| Impeller head volume (kg/min) | 4 x 250 | 4 x 250 | 6 x 250 |
| Impeller head power (kw) | 4 x 15 | 4 x 15 | 6 x 15 |
| Max. hanging weight (kg) | 300 | 500 | 1000 |
| Productivity hanger (/h) | 30 - 60 | 30 - 60 | 40 - 60 |
| Cleaning workpiece size (mm) | 7680 x 2000 x 2900 | 7680 x 2000 x 2900 | 7680 x 2000 x 3800 |
| Total Air rate volume (m ³ /h) | 17000 | 19000 | 19000 |
| Power (except for dust cleaning) (kw) | 73.15 | 73.15 | 114.72 |

Hanger Pass-through Shot Blasting Machines

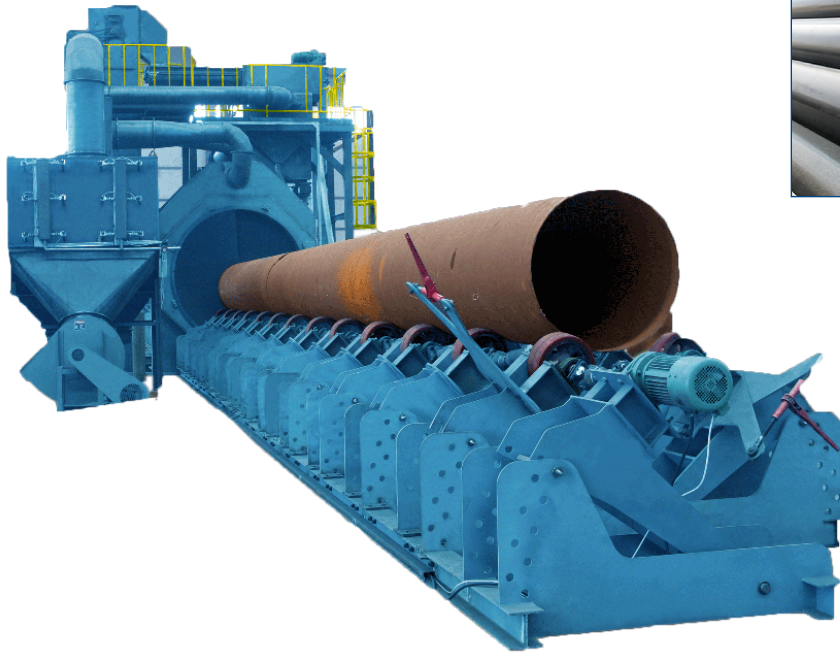


The HP-line shot blasting machines are designed for mono hanger rails for heavy duty construction. industries as agriculture, automotive, steel structures, very useful for full automated production plants.

All machines can be integrated in wet and powder paint lines and are also available in custom build versions.

| Type | HP20H | HP50H | HP3740H | HP3720H |
|---|----------------------|----------------------|---------------------|---------------------|
| Exterior size of cleaning casting (mm) | 5880 x 3185 x 957 | 4000 x 3270 x 1320 | 2500 x 4650 | 2000 x 3200 |
| Type of impeller head | XQH400 | XQH400 | XQH350 | XQH350 |
| Power (kw) | 8 x 18.5 | 8 x 18.5 | 8 x 15 | 12 x 11 |
| Quantity of shot blasting (kg/min) | 8 x 280 | 8 x 280 | 8 x 250 | 8 x 250 |
| Power (except for dust cleaning) (kw) | 187.4 | 187.4 | 148.3 | 168.3 |
| Total Air rate volume (m ³ /h) | 30000 | 30000 | 19000 | 19000 |
| External dimension (mm) | 18000 x 8150 x 11300 | 21000 x 7000 x 11509 | 14000 x 6200 x 7500 | 19000 x 7200 x 7080 |

Pipe Blasting Machines



The PB-Line shot blasting machines (inner & outer) are suitable for the surface treatment of internal pipe and related products, available in different sizes for various industries such as oil & gas, steel stockholders and food industry.

Due to the high power turbines (45 Kw) on these machines we are capable to work in high production plants. The transport system makes it possible to work with various sizes in the process.

| Type | Cleaning size (diameter in mm) | Cleaning speed (mtr/min) | Purposes |
|---------|-----------------------------------|-----------------------------|--|
| OPB100 | 50 - 300 | 2 - 10 | Outer wall of shot blasting machine |
| OPB720 | 159 - 720 | 2 - 6 | |
| OPB1200 | 219 - 1016 | 1 - 6 | |
| OPB1500 | 325 - 1600 | 1 - 6 | |
| OPB2800 | 1016 - 2800 | 1 - 2 | |
| IPB100 | 50 - 300 | 1 - 4 | Inner wall of shot blasting machine |
| IPB700 | 325 - 720 | 1 - 2 | |
| IPB1000 | 720 - 1016 | 1 - 4 | |
| IPB1500 | 1016 - 1500 | 1 - 4 | |

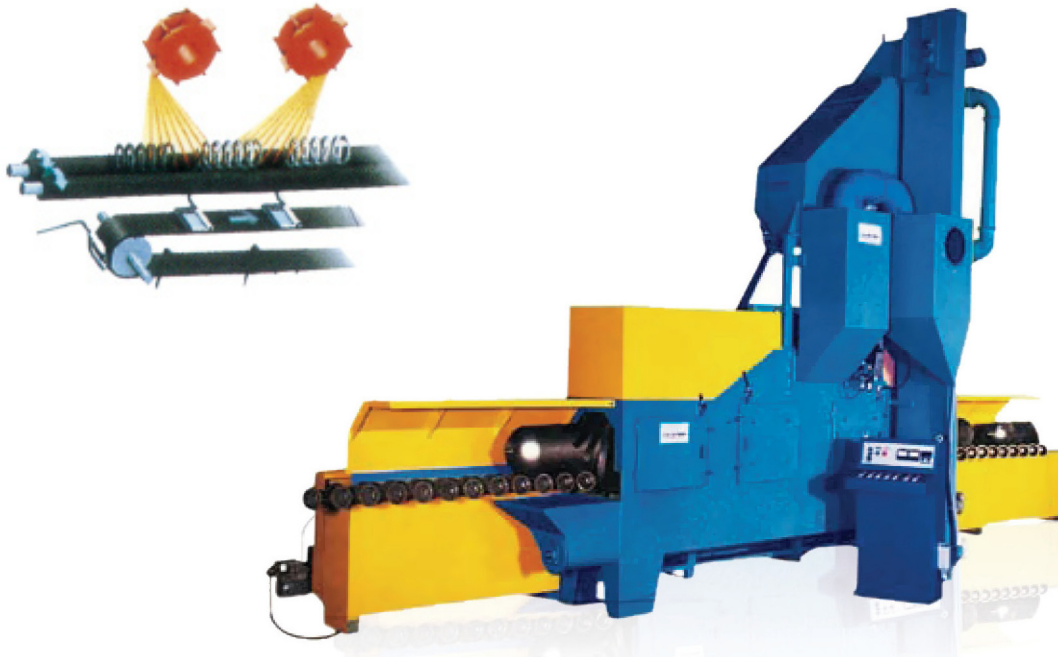
Trolley Type Shot Blasting Machine



The TT-Line is designed to blast clean middle and large sized work pieces rotating on a trolley providing a bright and profiled surface, designed for heavy industries.

| Type | TT365C | TT3610 | TT3620 | TT765C | TT76100 | TT7620 | TT7630 |
|--|--------------------|--------------------|----------------------|--------------------|--------------------|----------------------|---------------------|
| Cleaning workpiece size (mm) | 2500 x 1300 | 2500 x 1500 x 280 | 4000 x 3000 x 700 | 2500 x 1300 | 2500 x 1500 x 280 | 4000 x 3000 x 700 | 4000 x 2000 |
| Blasting capacity (kg/min) | 2 x 260 | 4 x 250 | 4 x 250 | 2 x 260 | 4 x 250 | 4 x 250 | 4 x 250 |
| Lifting capacity of elevator (t/h) | 40 | 60 | 75 | 40 | 60 | 75 | 60 |
| Separation quantity of separator (t/h) | 40 | 60 | 75 | 40 | 60 | 75 | 60 |
| Ventilation volume (m ³ /h) | 13200 | 240000 | 21000 | 13200 | 240000 | 21000 | 21500 |
| Power (except for dust cleaning) (kw) | 39.2 | 186.45 | 185.25 | 39.2 | 188.45 | 185.25 | 83.2 |
| External dimension (mm) | 9000 x 4200 x 9290 | 14900 x 500 x 8700 | 16900 x 6540 x 10020 | 9000 x 4200 x 9290 | 14900 x 500 x 8700 | 16900 x 6540 x 10020 | 9168 x 7680 x 10874 |

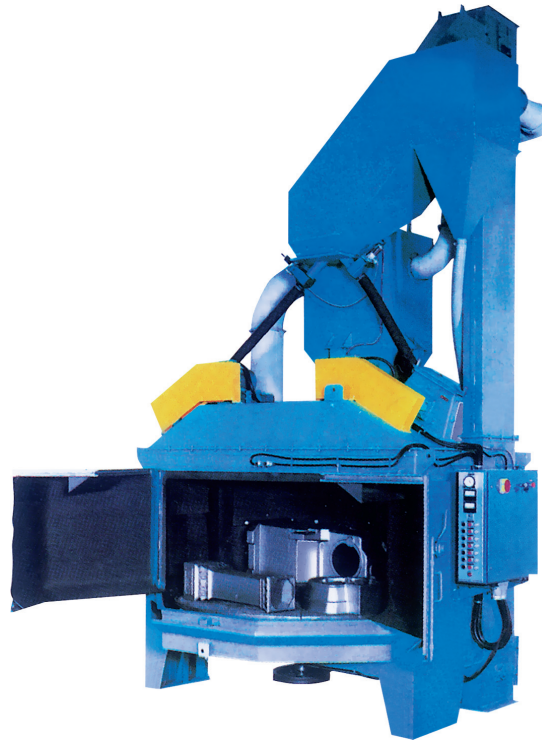
Round Spring Shot Blasting Machine



The RS265, RS2615, and the RSES1422 have been specifically designed to achieve the perfect result when blasting round springs. Round springs offer a unique blasting challenge - complete blasting coverage is vital in the critical environment in which the springs operate. Positioning of the blast wheels is crucial in achieving the desired result.

| Type | RS265 | RS2615 | RS1422 |
|---|---|---|---------------------------------------|
| Maximum size of cleaning work | Gear wheel $\Phi 1500 \times 1700$ Inner gear $\Phi 400 \times 2000$ Height 200-500 | Gear wheel $\Phi 3000 \times 1500$ Inner gear $\Phi 400 \times 2500$ Height 200-500 | Diameter 50-300 Length: ≤ 700 |
| Diameter of revolving table (mm) | 1500 | 3000 | - |
| Diameter of small movement revolving table (mm) | 500 | 1000 | - |
| Carrying capacity of revolving table (kg) | 5000 | 15000 | - |
| Power of shot blasting (kw) | 3 x 18.5 | 3 x 18.5 | 30 |
| Mobile impeller head power (kw) | 1 x 18.5 | 1 x 18.5 | - |
| Quantity of shot blasting (kg/min) | 4 x 280 | 4 x 280 | 420 |
| Type of dust catcher (m ³ /h) | HR4-16 | HR4-32 | JZC40 |
| Total air rate volume (m ³ /h) | 10000 | 22000 | 5940 |
| Power (except for dust cleaning) (kw) | 107.15 | 119.3 | 40.05 |
| External dimension (mm) | 9350 x 3750 x 8790 | 12000 x 5250 x 8750 | 8230 x 762 x 1752 |

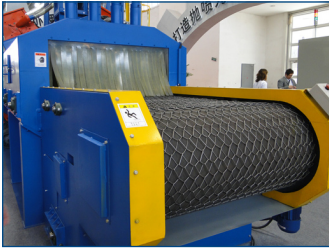
Turning Plate Shot Blasting Machine



The TP-line of turning plate shot blasting machines are designed to blast small to medium sized work pieces on a rotating plate. The units can be used to blast many different types of workpiece including forged and cast parts, car wheels and provides a bright and profiled surface. Available for ferro and non-ferro applications.

| Type | | TP3512 | TPF3512 | TPF3525F |
|---|------------------------|--------------------|--------------------|--------------------|
| Dimension (diameter) of cleaning chamber (mm) | | 1350 x 560 | 1350 x 860 | 2854 x 560 |
| Cleaning workpiece size (mm) | | 600 x 250 x 250 | 600 x 250 x 500 | 600 x 500 x 250 |
| Turntable car | Loading weight (kg) | 400 | 400 | 1000 |
| | Diameter (mm) | 1200 | 1200 | 2500 |
| Wheelblast equipment | Blasting capacity (kg) | 200 | 2 x 120 | 2 x 250 |
| | Power (kw) | 11 | 2 x 7.5 | 2 x 15 |
| Lifting capacity of elevator (t/h) | | 15 | 15 | 30 |
| Separation quantity of separator (t/h) | | 15 | 15 | 30 |
| First loading capacity (kg) | | 400 | 400 | 1500 |
| Ventilation volume (m ³ /h) | | 2800 | 2800 | 5200 |
| External dimension (mm) | | 1500 x 3450 x 3780 | 1900 x 1900 x 4165 | 4260 x 3647 x 5366 |
| Power (except for dust cleaning) (kw) | | 24.5 | 24.5 | 35.2 |

Mesh Belt Shot Blasting Machine



The MB-Line Mesh Belt shot blast machines provide a frequency controlled speed variable mesh belt surface on which a variety of parts can be uniformly blasted. The high quality mesh belt ensures that the work piece remains in the perfect position to be blasted. As each part is blasted in a controlled fashion this technology is perfect for thin-walled parts which could be damaged when impacting other parts (for example inside a tumble blasting machine). Capable of fully automatic operation the MB-Line machines are the perfect shot blasters to improve the quality and consistency of your castings, forgings, or other small parts.

| Type | MB1000/4 | MB1000/8 | MB1250/4 | MB1250/8 |
|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Net width | 1000 mm | 1000 mm | 1250 mm | 1250 mm |
| Max. load capacity | 1200 kgs | 1200 kgs | 1200 kgs | 1200 kgs |
| Max. workpiece weight | 100 kgs | 100 kgs | 100 kgs | 100 kgs |
| Max. workpiece section size | 1500 x 500 mm | 1500 x 500 mm | 1500 x 500 mm | 1500 x 500 mm |
| No. of blasting wheels | 4 | 8 | 4 | 8 |
| Dust air volume | 15000 m ³ /hr. | 15000 m ³ /hr. | 15000 m ³ /hr. | 15000 m ³ /hr. |
| The total power | 97.5 KW | 97.5 KW | 97.5 KW | 97.5 KW |

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