

# Shot Blasting Machines



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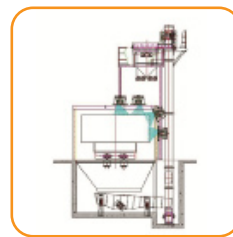
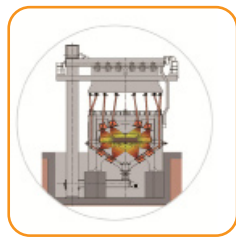
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# Introduction

## 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.

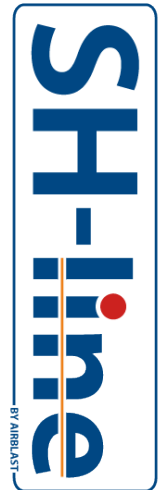
# Roller Conveyor Shot Blasting Machines



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 <sup>3</sup> /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

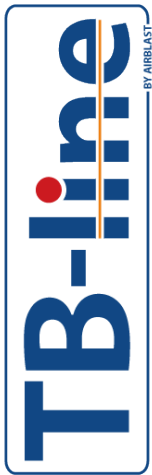
# Spinner Hanger Shot Blasting Machines



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 <sup>3</sup> )	0.15	0.4	0.3
Pill impelling volume (kg/min)	100	250	250
Dedusting air volume (m <sup>3</sup> /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 <sup>3</sup> )	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 <sup>3</sup> /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 <sup>3</sup> /h)	17000	19000	19000
Power (except for dust cleaning) (kw)	73.15	73.15	114.72

# Hanger Pass-through Shot Blasting Machines

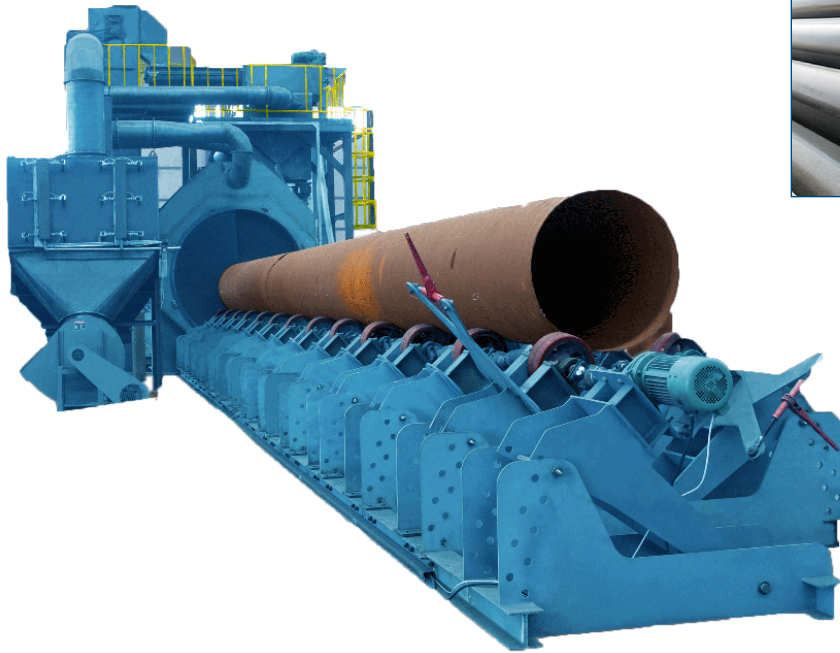


The HP-line shot blasting machines are designed for mono hanger rails for heavy duty construction. industries as agriculture, automotive, steel structures, very useful for full automated production plants.

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 <sup>3</sup> /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	

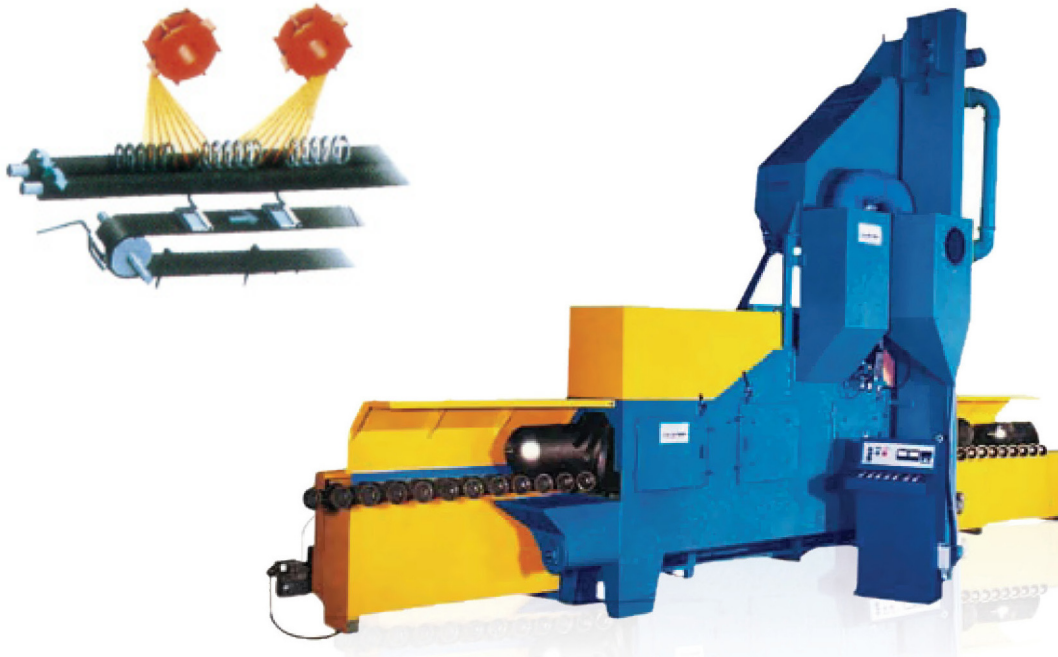
# Trolley Type Shot Blasting Machine



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 <sup>3</sup> /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

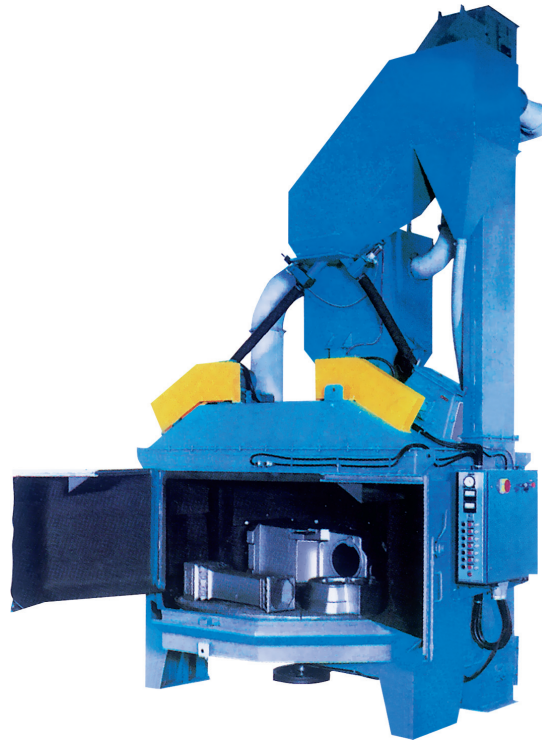
# Round Spring Shot Blasting Machine



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: $\leq 700$
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 <sup>3</sup> /h)	HR4-16	HR4-32	JZC40
Total air rate volume (m <sup>3</sup> /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

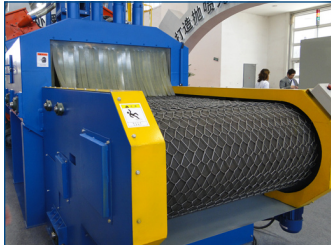
# Turning Plate Shot Blasting Machine



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 <sup>3</sup> /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 <sup>3</sup> /hr.	15000 m <sup>3</sup> /hr.	15000 m <sup>3</sup> /hr.	15000 m <sup>3</sup> /hr.
The total power	97.5 KW	97.5 KW	97.5 KW	97.5 KW

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