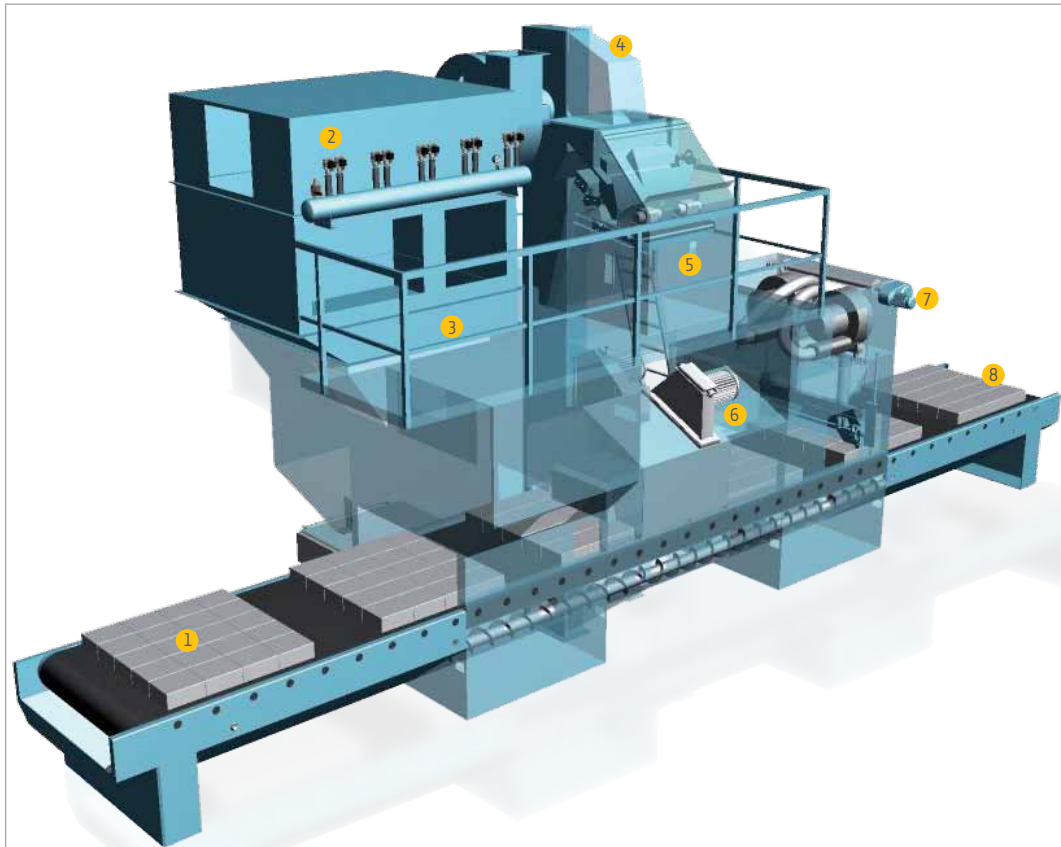


Concrete block shot blast machines



Wheelabrator concrete block shot blast machines perform efficient and high quality blasting of concrete products like blocks, slabs and kerbstones.

The advantage: the blast process creates a unique character of the blocks, with a **high quality surface appearance**, which in turn creates added value to the product.

The flexible design and control of the machine provides the optimum blasting process for various concrete products. This is most important as concrete is a delicate material: to ensure the **desired finish/appearance** is achieved, the

blast pattern must be uniform, and the patterns from different wheels should not overlap.

The optional use of two, three or four blast wheels in special positioning and with programmed start/stop functionality, allows the targeted treatment of both the horizontal and vertical visible surfaces – e.g. on fence blocks, kerbstones or block steps.

The concrete block blast machine can be **integrated into a production line** due to its modern control system with the relevant interfaces, different belt lengths and well coordinated

transfer stations (e.g. sheets or rollers). The machines can be operated easily using a Siemens Touchpanel.

Wheelabrator concrete block shot blast machines can be sized to treat workpiece widths from 600 to 1500 mm. Both indexing and continuous operations are possible. The belt runs smoothly, at speeds from 2.5m/min to 14m/min.

Type LBG

- ① Loading
- ② Filter unit
- ③ Maintenance platform
- ④ Bucket elevator
- ⑤ Abrasive cleaner
- ⑥ Blast wheel
- ⑦ Blow-off station
- ⑧ Unloading

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Concrete block shot blast machines

Technical features

Your advantages:

- The adjustable blast wheels (see picture) provide a very uniform surface result, even at high speeds.
- This is assured by smooth/stepless speed control, electro-pneumatic dosage regulation and optimal blast wheel positioning.
- Furthermore, the use of hardened tool steel for the blast wheel wear parts assures a long service life.

Whilst lowering your cost per part, high values can be added to your concrete products due to the consistent, uniform quality finish achieved at high process speed.

Another feature

The transport belt is provided with transverse ribs to remove blast media via the recesses and holes in the belt.

The advantage:

The "ball-bearing effect" where blocks drift off-track is avoided.

This is especially important if you choose to unload blocks by a gripper system, as the grippers are exactly designed for a defined block position.

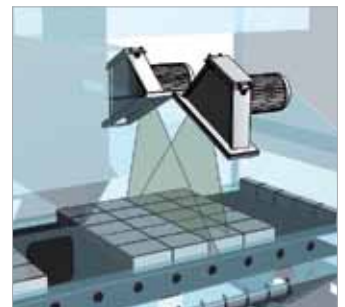
Blow-off station

Stainless steel shot is the preferred abrasive for concrete applications. After blasting, a blow-off station with a high pressure blower (see picture) removes the shot from the surface of the concrete blocks.

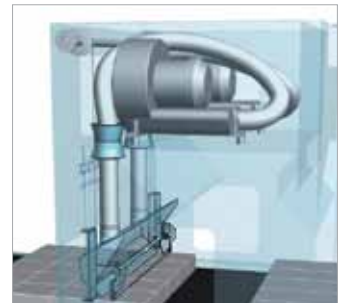
The nozzles are adjustable in height and therefore adaptable for the treatment of different concrete block sizes.



Blast wheel



Blast pattern



Blow-off station

Type LBG		LBG 600	LBG 800	LBG 900	LBG 1250	LBG 1500
Block layer dimensions						
max. width	mm	600	800	900	1250	1500
max. height	mm	400	400	400	400	500
Passage speed	m/min	2,5 - 14	2,5 - 14	2,5 - 14	2,5 - 14	2,5 - 14
Number of blast wheels x power		2 x 7,5/11	2 x 7,5/11/15	2 x 7,5/11/15	2 x 15	2 x 15
Blast wheel variants	kW	3 x 7,5	3 x 7,5/11	3 x 7,5/11	2 x 15 + 1 x 7,5 2 x 15 + 2 x 7,5	2 x 15 + 2 x 7,5
Upper edge of belt	mm	940	850	1000	950/1000/1100	1005
Machine height	mm	4340	4810	5250	5150 - 5300	5645
Foundation pit		No	No	No	Yes	Yes

Can't find a machine to fit your application? We will be pleased to offer you customised, individual variants and options.