

RB-600 AH 2 – Wire mesh belt continuous shot-blasting machine



Application

The RB-600 AH 2 wire mesh shot-blasting machine is mainly suitable for the low investment cost de-rusting, de-scaling and cleaning of

- Small castings made of aluminium or steel
- Small forged parts made of aluminium or steel
- All smaller parts that cannot be bulk blasted
- Marble and granite rocks and bricks for decoration purposes

Description

The machine is equipped with 2 pieces of ABR 380 type blasting turbines. These turbines are situated above the wire mesh conveyor top level to ensure the possible best covering of the top surface of through-pass cross section. Blasting is done in an angle of $\sim 70^\circ$ to the direction of proceeding to reach lengthened covering.

The turbines are gravity fed with abrasive material, they have eight blasting blades and a pre-accelerator and they allow precise blasting direction adjustment.

The inner surfaces of the machine in the active zone are covered with highly wear-resistant manganese steel, other inner parts are protected by wear-resistant rubber sheet. This rubber cover has noise-reducing effect as well. wires in the machine house are made of highly wear resistant spring steel to provide suitable lifetime for the conveyor.

The three-layer rubber curtains at the inlet and outlet sluice prevent the high velocity abrasive particles from shooting out.

The closed and continuous circulation of the shot-blasting media is ensured by a screw conveyor, bucket elevator, abrasive cleaning air classifier unit and a feeding unit. In foundries an additional magnetic drum separator is built in the machine to separate forming sand from the circulation.

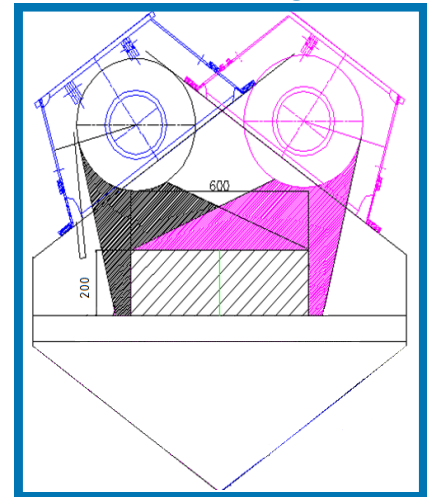
The clean work-piece is de-dusted by a high pressure blow-off fan built on the exit section of the machine with adjustable height.

The dust-aspirating and separating system of the equipment consists of galvanized steel air-ducts, form-elements, aspiration fan and filter cartridge inserted dust-separator.

Dust emission after the filter is not more than $3\text{mg}/\text{m}^3$.

All functions of the machine can be controlled from the central control box. Besides the normal mode of operation (automatic mode) manual mode is also available for maintenance purposes.

Blasting pattern



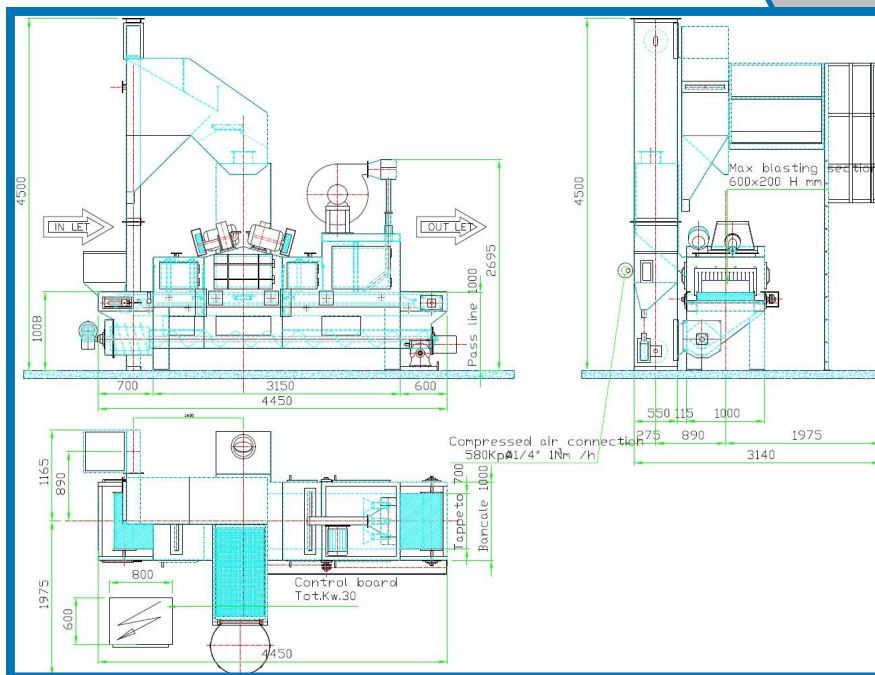
Due to the 2blasting turbines on the top this machine provides fast cleaning speed for this cross section on one side.

RB-600 AH 2





Dimensions /RB-600 AH 2/



Technical specifications

Through-pass width	mm	600
Height	mm	200
Min. work-piece length (shorter pieces can be cleaned by means of a so-	mm	about 1000
Turbines		
Number	piece	2
Type		ABR-380
Diameter	mm	380
Revolution speed	1/min	2800
Abrasive flow rate/ turbine	kg/min	120
Wire mesh conveyor		
Loadability	kg/m	500
Speed range	m/min	0-4
Energy demand		
Electrical		
Basic machine	kW	25,8
Dust aspiration	kW	5,5
Compressed air		
Pressure	bar	min.6
Quantity (filter)	m ³ /h	10
Abrasive load	kg	~800
Proposed abrasive particle size	mm	0,4-1,2
Aspiration air flow	m ³ /h	8000
Filtration surface	m ²	168
Electrical data		
Mains voltage	V	3 x 400
Control voltage	V	220
Frequency	Hz	50