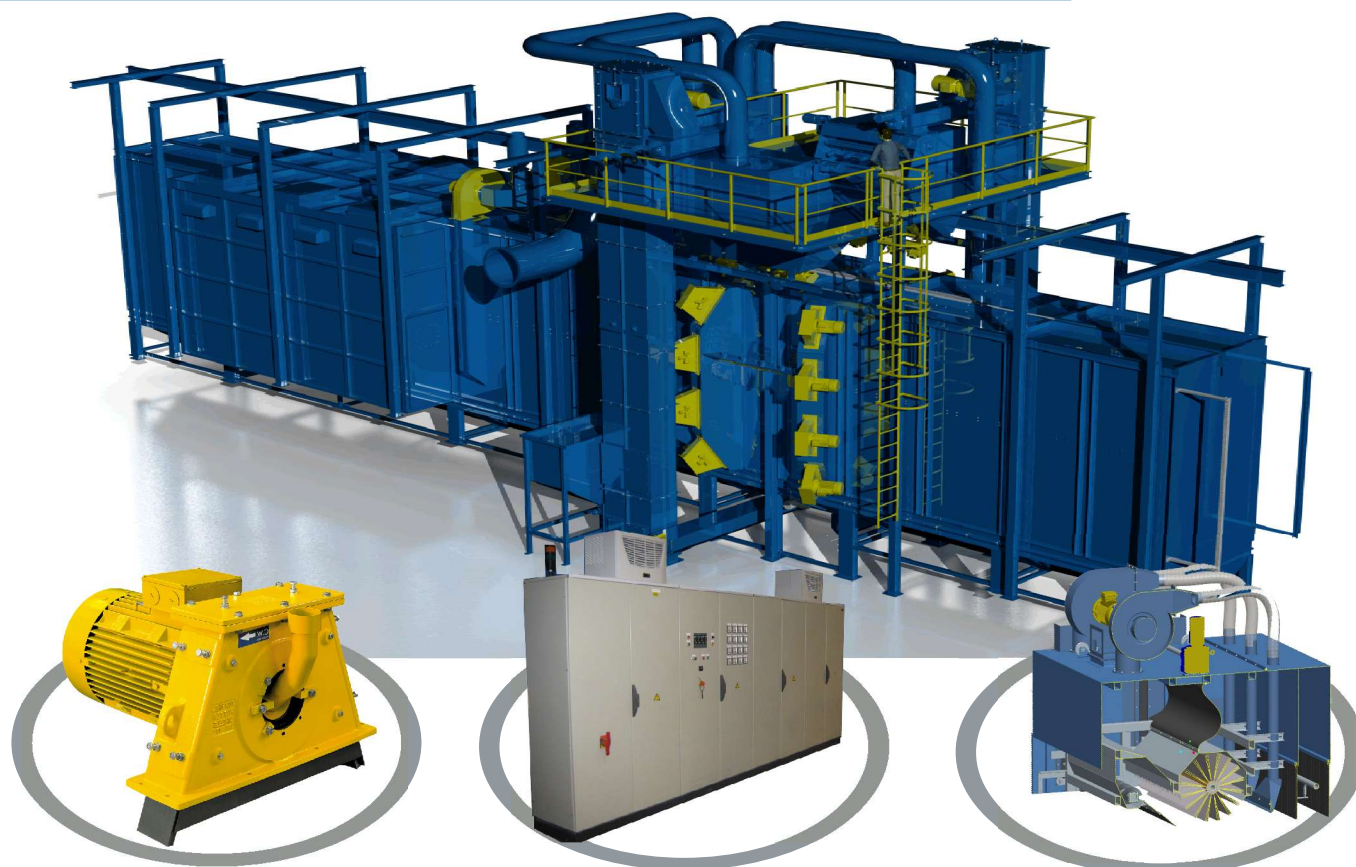




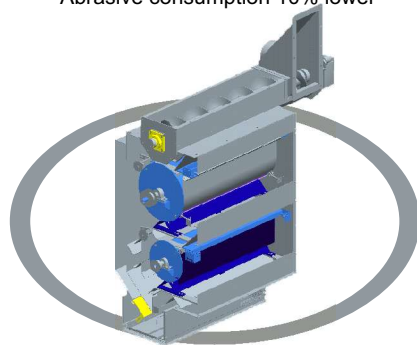
Advantages of SIAPRO machines



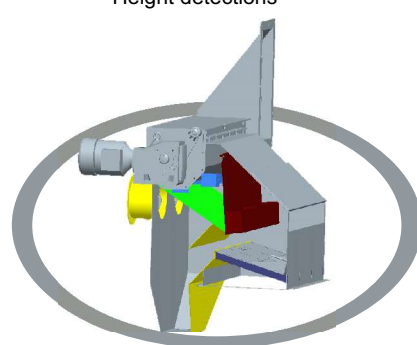
Turbine with curved and carbide blades
Life time of blades 8-10 times longer
Blasting capacity 10-30% higher
Power consumption 10-20% lower
Abrasive consumption 10% lower

Control box with SIEMENS
Automatic regulations of abrasive flow
Frequency inverters on wheels
Scada systems
Height detections

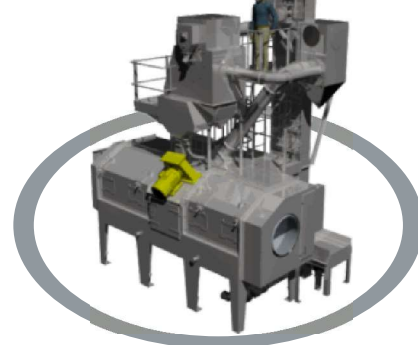
Brush and blow off systems
Automatic regulations
100% abrasive free pieces



Magnetic separators with double drum
Separation of foundry sand from mix 95-99%
Designed for adaptation of older machines
Capacity from 400-5000 kg/min



Very good separation of abrasive
Air cleaners with special vibration cleaner
Different designs for different applications
Capacity from 400-5000 kg/min



3D presentations of machines
Explosion drawings for maintenance
Use of extremely wear resistant materials
Mn12, OCR
Designs made for each customer



SHOTBLASTING TECHNOLOGY

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FOUNDRY SHOTBLASTING MACHINE



For cleaning many different materials such as castings, small assemblies, forgings, cycle frames, gas cylinders and other workpieces which due- to their shape and size can be suspended from a hook or beam section with arms.

All work pieces rotate and/or move within the range of the blast wheels and are thus cleaned thoroughly. The machines are manufactured from heavy steel plate, manganese lined on the inside and extra wear resistant cladding, consisting of removable panels, within range of the blast wheels.

TYPE



For cleaning many different materials such as castings, small assemblies, forgings, cycle frames, gas cylinders and other workpieces which due- to their shape and size can be suspended from a hook or beam section with arms.

Machine is equipped with monorail transport system or power and free. The product feeding is made step-by step through the blasting cabin equipped with automatic doors. Automatic feeding of the product on two different positions during operation assure a uniform and complete blasting process

.Shape and length of overhead monorail conveyor to meet customs requirements.

TYPE



Machines are suitable for blasting of mass produced components similar shapes and sizes. Mostly used in steel, gray-iron, nodular, aluminum foundries and for forgings ...

The tumbling action of the belt conveyor ensures that components are continually exposed to the blast stream and completely cleaned. For easy unloading, the belt conveyor is reversed, delivering the components into the drum is done by ship loader.

Machines come in two different executions:

Steel belt tumblers for batch weight from 150 to 5.000 kg

Rubber belt tumblers for batch weight from 50 to 1.300 kg



Machines are suitable for blasting of mass produced components similar shapes and sizes. Mostly used in steel, gray-iron, nodular, aluminum foundries and forgings.

Machine is produced for continues blasting of parts. Two drums on each side of the machine allow continues feeding and unloading into the tumbler. The tumbling action of the steel belt conveyor ensures that components are continually exposed to the blast stream and completely cleaned.



Depending on the dimensions and the weight of the workpiece, a choice can be made between a number of machine types. These guarantee the least expensive and/or the best and fastest method of cleaning. Another determining factor can be whether the shot blast machine can be used in an existing manufacturing or processing system.

In some cases the blast machine is specially designed for a specific application. With the help of the SIAPRO designee team we will help you develop machine for your specific purpose or need.

CONSTRUCTIONS PLATES AND PROFILES



For cleaning sheet steel, profiles, sections, tubes and other similar components.

R type roller machine is easy to use machine. Its transport system allows blasting of all kinds of material that can be transported by roller conveyor. Precisely positioned wheels allow continues blasting of the work pieces. Special wear resistant materials are used to protect the machine blasting chamber form wear.

Machine is equipped with abrasive removal chamber to remove abrasive form blasted material by rotating brush and blow off system.



Monorail shot blasting machines are fully automated systems designed to descale and remove rust from large frames, profiles, fabricated structures, steel elements of trucks, trailers and heavy equipment. This high productivity system effectively cleans all types and sizes of work pieces.

Machine is equipped with monorail transport system or power and free to transport material throw the machine. Special sealing tunnels seal the blasting chamber and allow easy access of the pieces. Blasting chamber can be equipped with different set ups of the wheels from 4 wheel system up to 16 . Blasting is done form both sides of the tunnel.



For cleaning components of different types and sizes form 1kg up to 5000 kg. Machine is suitable for garages as also foundries and other metal working presses.

Machine is equipped with rotating table on which the pieces are being loaded. One or more shotblastong wheels are blasting form top and side to efficiently clean the article.

This machines are known for its variety of uses and low cost.

TYPE



Lines for plate and structural steel blast and paint systems are designed for contaminant removal and prime coat painting to the blasted surfaces prior to the storage or subsequently manufacturing operations.

System are supplied for plate , structural shapes or both. Steel surfaces are first dried, preheated, shot blasted, painted and dried.

Utilizing a roller conveyor and slat conveyor systems to transport the steel surfaces throw the process. Steel is exposed to multiple, direct drive wheels for even distribution of abrasive over the entire width of the plate and around structural profiles. Process line speeds will vary according to application but 1 to 3,5 m/min typical.



Machines are designed for blasting tubes and pipes of different diameters from 10 mm 1450 mm.

The transport system controls the piece feeding and also the rotation on its own axis, so the complete external surface is exposed to the blasting stream. Piece movement is realized by conical rollers or for bigger tubes diameters by wheels with inclined axis and fixed angles.

For larger diameters of tubes and pipes the throwing wheels are placed under blasted pieces, so the distance between throwing wheels axis and the tubes/pipes surface remains constant irrespective to their diameter.

