Overhead Rail Shot Blast Machines and Continuous Overhead Rail Shot Blast Machines

Overhead rail shot blast machines come in many versions, types and sizes. They have a relatively small footprint. They are widely used because they are easy to integrate into a company’s logistics.

Advantages of AGTOS overhead rail shot blast machines:

- Reliable blasting technology
- Low maintenance
- Innovative filter technology
- Robust construction

AGTOS®

• Blast machines
• Pre-owned machines
• Conveyor systems
• Service and spare parts
Important Advantages of AGTOS Overhead Rail Shot Blast Machines

AGTOS blasting technology

Our high performance turbine units are very reliable. They are highly efficient due to the low number of wearing parts, maintenance-friendly design and high abrasive flow rate.

AGTOS filter technology

The innovative filter technology has a convincing and powerful performance. The special characteristics include the conical filter cartridges which can be replaced quickly and easily via drawer elements outside the casing. These cartridge filter systems can also be retrofitted to older shot blast machines of most makes.

Low maintenance

Regular maintenance helps maintain the value of the machines. Large maintenance doors provide easy access to all essential components and facilitate the rapid replacement of wearing parts.

Robust construction

The sturdy construction uses special wear resistant steel with additional linings in areas subject to high wear. All helping to protect the owner’s investment.

Fig. front page: Structural components exiting the manual re-blasting chamber of a continuous overhead rail shot blast machine
Components of an AGTOS Overhead Rail Shot Blast Machine

The abrasive is purified and circulated in the optimal process mixture.

Abrasives refill hopper on the bucket elevator (optional)

Robust overhead rail systems for any requirement
Integration With the Operational Process

Overhead rail shot blast machines can be used as isolated applications or integrated with the existing logistics. Many different options are available. Below are examples of the most common versions. Hangers and work pieces are fed into the machine automatically as soon as they reach it. Transport to the edge of the machine can be done either manually or with a conveyor system.

Operation of an overhead rail shot blast machine with monorail as an isolated application or in combination with a conveyor system.

Operation of an overhead rail shot blast machine ("Y track") with one track switch. While one work piece hanger is being loaded or unloaded a second hanger or work piece can be blasted.

An overhead rail shot blast machine ("Y track") becomes even more flexible when three track switches are used. Hangers can always be loaded and unloaded from the same side.

Operation of an overhead rail shot blast machine as an isolated application with an oval. During the blasting process additional hangers can be transported in or out to allow continuous processing.
Efficient Blasting with AGTOS Overhead Rail Shot Blast Machines – Installed Examples

Overhead rail shot blast machine for gear parts as an isolated application

Overhead rail shot blast machine with baseplate and blasting abrasive recirculation for the treatment of springs

Overhead rail shot blast machine for connecting components in a production line

Overhead rail shot blast machine in a foundry with magnetic separator and blasting abrasive recirculation upstream of the machine
Continuous Overhead Rail Shot Blast Machines

Continuous overhead rail shot blast machines are preferred whenever time is an important consideration. Work pieces are treated continuously. The continuous supply of work pieces reduces or eliminates non-productive times, such as time spent opening the door.
Service for blasting machinery

We place special emphasis on providing first class customer service. This applies not only to the blasting equipment we manufacture, but also to other makes of equipment. Our service program includes:

- Wear and Spare Parts
- Repair and (remote) maintenance
- Inspection and process advice
- Machine upgrades and performance enhancement
- Upgraded used machines
- Orientation and Training

Used machines are technically overhauled and then integrated with plant operations. Working on its own or as a general contractor, AGTOS undertakes disassembly, transport and re-assembly of the machines.

Modernization and increased performance of used machines through modern turbine technology among other features.

A wide range of abrasive types can be delivered at short notice.

Turbine parts for many turbine brands

In addition to replacement turbine parts, we also supply filter cartridges, cleaning and sealing brushes, and precut rubber and manganese blanks for many machine types.

Bucket elevator belts, buckets and screws for all makes of blast machinery
AGTOS overhead rail shot blast machines are available in different sizes, including the following standard sizes:

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<tbody>
<tr>
<td>Max. hook load (kg)</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>800</td>
<td>800</td>
<td>800</td>
<td>800</td>
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<tr>
<td>Alternative max. hook load (kg)</td>
<td>800</td>
<td>800</td>
<td>800</td>
<td>1 600</td>
<td>1 600</td>
<td>1 600</td>
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<tr>
<td>Work piece diameter (mm)</td>
<td>1 100</td>
<td>1 300</td>
<td>1 300</td>
<td>1 700</td>
<td>1 700</td>
<td>1 700</td>
<td>2 100</td>
<td>2 100</td>
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<tr>
<td>Height of blasting zone (mm)</td>
<td>1 300</td>
<td>1 700</td>
<td>2 100</td>
<td>1 700</td>
<td>2 300</td>
<td>2 700</td>
<td>2 300</td>
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<tr>
<td>Turbine output (kW)</td>
<td>2 x 11</td>
<td>3 x 11</td>
<td>2 x 11</td>
<td>2 x 11</td>
<td>3 x 11</td>
<td>4 x 11</td>
<td>3 x 11</td>
<td>3 x 15</td>
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<tr>
<td>Cartridge filter</td>
<td>PF 4-09</td>
<td>PF 4-12</td>
<td>PF 4-12</td>
<td>PF 4-12</td>
<td>PF 4-12</td>
<td>PF 4-20</td>
<td>PF 4-20</td>
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<tr>
<td>Suction output (m³/h)</td>
<td>2 600</td>
<td>4 500</td>
<td>4 500</td>
<td>4 500</td>
<td>4 500</td>
<td>7 500</td>
<td>7 500</td>
<td>10 000</td>
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<tr>
<td>Residual dust content with secondary filter (mg/m³)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
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Additional equipment and hook loads are available.