Drum shot blast machines are manufactured in several different variants, types and sizes. They are compact and only have a very small footprint. Continuous throughput can be realised by linking several machines.

Advantages of drum shot blast machines made by AGTOS:
- Reliable blasting technology
- Maintenance-friendly layout
- Innovative filter technology
- Robust design
Key advantages of drum shot blast machines made by AGTOS

AGTOS blasting technology

Our high-performance turbines are solid units. Their reduced number of wear parts, maintenance-friendly design and high shot flow ensure a particularly high level of economic efficiency.

AGTOS filter technology

The innovative filter system impresses with high performance. A particularly interesting characteristic feature are the conical filter cartridges which can be replaced quickly and easily outside of the machine thanks to their slide-in mechanism. These cartridge-based filter systems can be retrofitted even to older shot blast machines of nearly all other manufacturers.

Maintenance-friendly layout

Regular maintenance is important for preserving the long-term value of the equipment. Large service and inspection doors provide easy access to all of the important components. As a result, wear parts can be replaced very easily.

Robust design

The sturdy design made of highly wear-resistant steel with supplementary lining of areas exposed to wear supports the operator to protect his investment.
Layout of an AGTOS drum shot blast machine

- Abrasive preparation system/cascade wind sifter
- Bucket elevator driving drum
- Deflector separator
- Cartridge filter with secondary filter
- Bucket elevator with refilling hopper
- Loading device
- Abrasive screw
- Swivelling drum for parts
- Regulation of abrasive quantity
- AGTOS high-performance turbine
- Dust container
Drum shot blast machines are mainly used for the treatment of small mass-produced parts.

The perforation of the drum is realised in line with the specific requirements concerning the parts and the abrasive. This prevents jamming, and the abrasive can be optimally discharged.

The design of the drum depends on the parts to be treated. The shape and design of the bottom area and side walls ensure the optimum tumbling of the parts.

The number of wear parts has been considerably reduced (compared to steel-belt shot blast machines) thanks to the special nature of the drum.

The soft swinging motion and rotation of the drum enables the gentle treatment of the parts.

Key features

Drum shot blast machines are mainly used for the treatment of small mass-produced parts.
Linking several machines and systems enables a continuous production process involving drum shot blast machines.
Efficient shot-blasting with AGTOS drum shot blast machines – real-life examples

There is a wide variety of parts that can be treated in drum shot blast machines, ranging from delicate, small parts up to compact castings. For use in foundries, special modules for the separation of the casting sand and abrasive are added to the machine.
Service for shot blast machines

We place special value on perfect service. And not just for AGTOS shot blast machines but also for many other brands.

Our service program includes:

- Wear and Spare Parts
- Repair and (remote) maintenance
- Inspection and advice
- Modernisation and performance enhancement
- Upgraded used machines
- Instruction and Training

Used machines are technically overhauled and then integrated within plant operations. AGTOS executes the disassembly, the transport and the assembly by master mechanic or completely.

Modernisation and increased performance of used machines among others by modern turbine technology

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

Turbine parts for many brands

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

Bucket elevator belts, buckets and screws for all brands of shot blast machines
State-of-the-art, customised blasting systems

AGTOS manufactures customised wheel shot blast machines. Based on different parts and on the desired surface finish as well as in view of the available space on site, numerous different variants of our drum shot blast machines have been designed.

The following table shows the most common models together with their most important technical data.

Drum shot blast machines made by AGTOS are available in the following standard sizes:

<table>
<thead>
<tr>
<th>Technical data</th>
<th>TS 0050</th>
<th>TS 0150</th>
<th>TS 0300</th>
<th>TS 0500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drum volume (l)</td>
<td>50</td>
<td>150</td>
<td>300</td>
<td>500</td>
</tr>
<tr>
<td>High-performance turbine (quantity)</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>High-performance turbine (kW)</td>
<td>7.5</td>
<td>up to 15</td>
<td>up to 22</td>
<td>up to 30</td>
</tr>
<tr>
<td>Abrasive conveyance</td>
<td>screw</td>
<td>screw</td>
<td>screw</td>
<td>screw</td>
</tr>
<tr>
<td>Maintenance platform</td>
<td>without</td>
<td>yes</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Cartridge filter unit</td>
<td>PF 4-06</td>
<td>PF 4-06</td>
<td>PF 4-09</td>
<td>PF 4-12</td>
</tr>
</tbody>
</table>

Other extras and features are possible.