



# AGTOS®

## Drum shot blast machines

- Blast machines
- Second-hand machines
- Conveyor systems
- Service and spare parts



Drum shot blast machines are available in different variants, versions and sizes. They are predestined for the blasting of the smallest parts. Due to their compact design, drum blast machines require only a small footprint. The interlinking of several machines enables continuous operation.

### Advantages of the AGTOS drum shot blast machines:

- Compact design
- Few mechanical elements
- Gentle loading and unloading
- Long service life of the drum

# Key advantages of drum shot blast machines made by AGTOS

## → Compact design

This type of machine requires comparatively little space. Therefore, the machines can be placed in almost any hall.

The smallest version measures 2,503 x 3,800 x 4,121 mm (W x H x D). Filter system and control cabinet/panel are added to the layout as an option.

## → Gentle loading and unloading

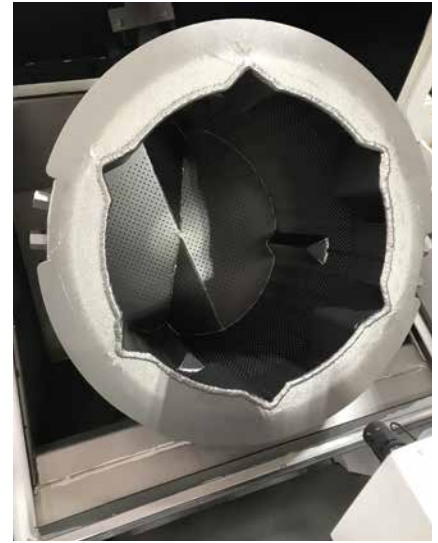
Thanks to the flat tilting angle, workpieces can enter the drum gently. Emptying is also done carefully, as the drum can be tilted in steps.

The internal geometry of the drums depends on the workpieces to be processed. The base and side walls are designed to ensure optimum circulation of the parts.

## → Few mechanical elements

The drum is the only workpiece-supporting element. It is connected to a drive at the bottom. Compared to rubber belt tumble shot blast machines there are no gaps, such as occur at the transition from the rubber belt to the wear lining. This eliminates sticking and thus workpiece damage, and there is less material wear.

The maintenance effort for a drum shot blast machine is comparatively lower. The drum is removed from above. A device for removal can be supplied as an option.



## → Long service life of the drum

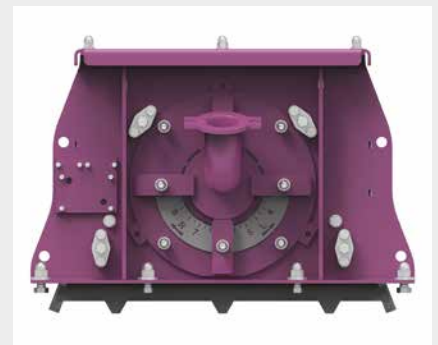
Practice shows that due to the choice and thickness of the materials, the lifetime of the drums is very long. Basically, the drum is resistant to cutting action by sharp and pointed components.

We advise you and give you tips on running your practice.



## → AGTOS filter technology

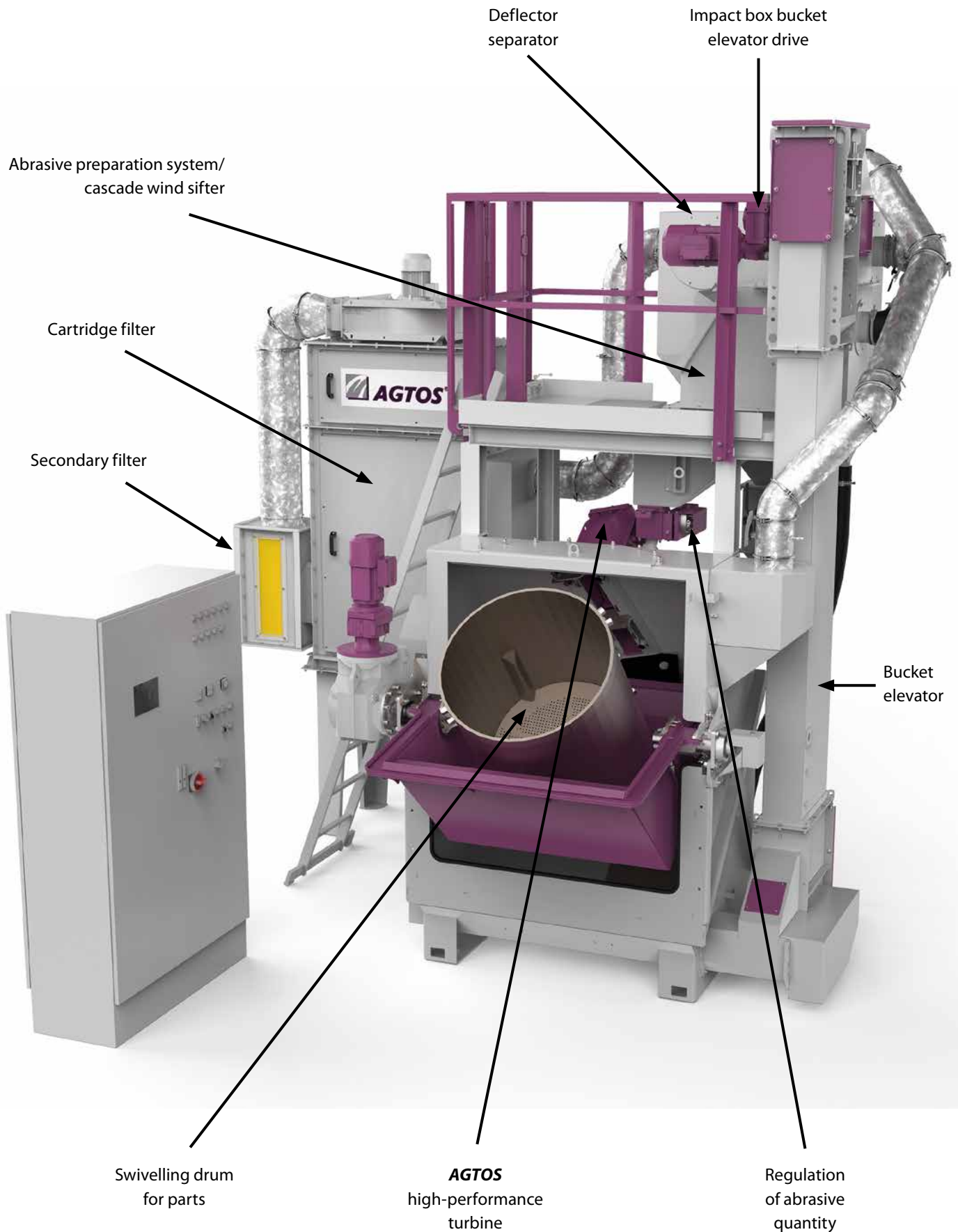
The innovative filter technology convinces with strong performance. The special feature is the conically shaped filter cartridges, which can be quickly and easily replaced outside the housing by means of a slide element. These cartridge filter units can also be retrofitted to older blasting machines of all types.



## → AGTOS shot blasting technology

**AGTOS** turbines are solid units that work highly economically due to fewer wearing parts and a high abrasive throughput. All drives on our machines are designed to be energy-efficient.

# Layout of an *AGTOS* drum shot blast machine





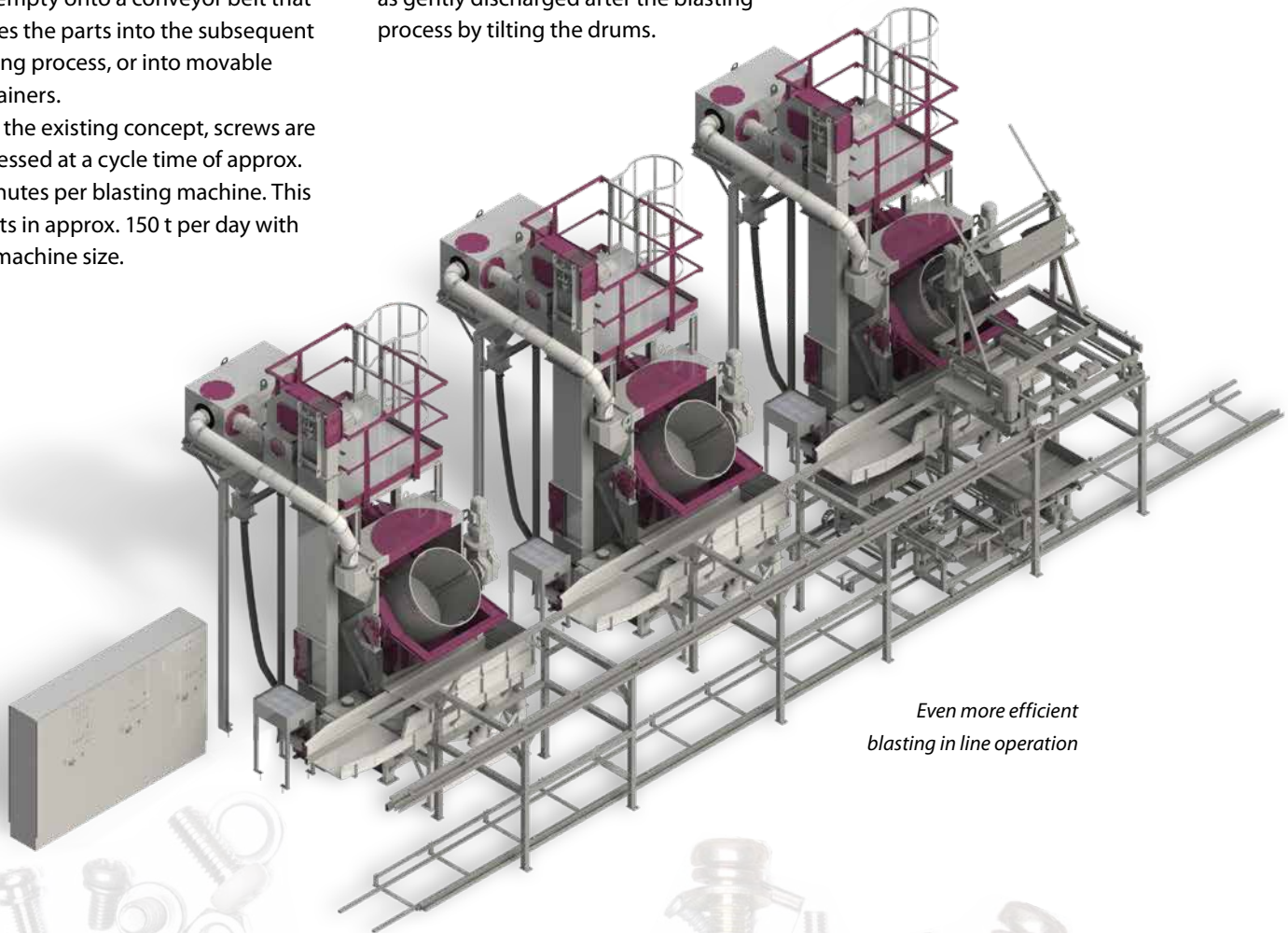
# Efficient shot-blasting with **AGTOS** drum shot blast machines – real-life examples

## **Drum shot blast machines in line operation**

The machines are automatically filled and empty onto a conveyor belt that guides the parts into the subsequent coating process, or into movable containers.

With the existing concept, screws are processed at a cycle time of approx. 6 minutes per blasting machine. This results in approx. 150 t per day with this machine size.

The loading capacity of the machines is approx. 250 kg, depending on the workpiece geometry. The parts are gently inserted into the drums and just as gently discharged after the blasting process by tilting the drums.



*Even more efficient blasting in line operation*



*Interlinking the drum shot blast machines enables the continuous production process.*







**AGTOS** drum shot blast machine type TS 150 with feeder and vibratory feeder



**AGTOS** drum shot blast machine type TS 150 for cleaning and solidifying small disc springs.



## **A wide range of possible applications**

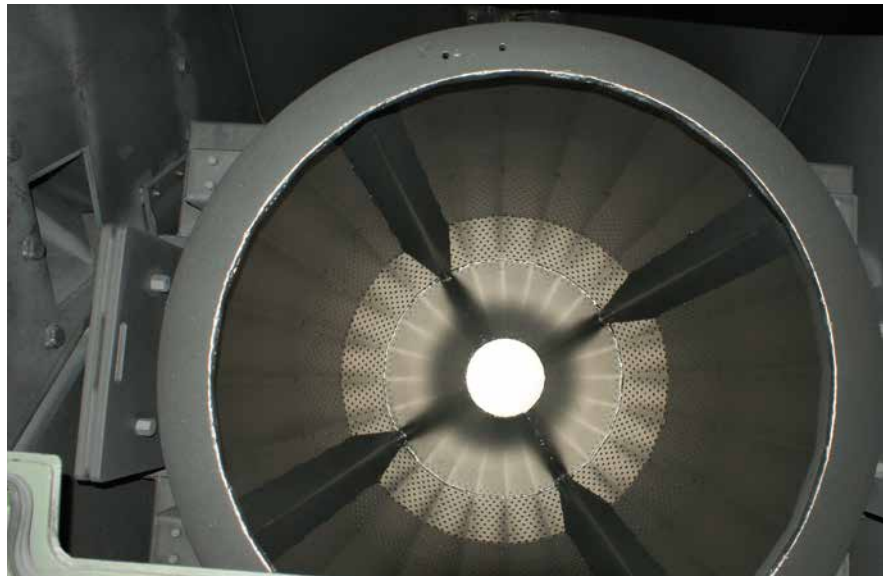
There is a wide variety of parts that can be treated in drum shot blast machines, ranging from delicate, small parts up to compact castings. For use in foundries, special modules for the separation of the casting sand and abrasive are added to the machine.



*Drum shot blast machines are primarily used for the processing of small mass-produced parts. However, small flame-cut parts can also be processed.*



*The loading and unloading process can be observed on a screen.*



*Inside of a drum*



*Springs leaving the subsequently installed vibro-chute*



*AGTOS drum shot blast machine with a loading device and safety fence*



# Service for shot blast machines



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

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
- Modernisation and performance enhancement
- Repair and maintenance
- Instruction and training
- Service app for prompt and competent support



*Turbine parts for many brands*



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



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 are used for blasting a wide variety of mass-produced parts.*

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

| Technical data  | TS 50   | TS 150   | TS 300   | TS 500             |
|---|---------|----------|----------|--------------------|
| <b>Trommelvolumen (l)</b>   | 50      | 150      | 300      | 500                |
| <b>High-performance turbine (quantity)</b>                            | 1       | 1        | 1        | 1 or 2             |
| <b>High-performance turbine (kW)</b>                                  | 7,5     | up to 15 | up to 22 | up to 30           |
| <b>Abrasives conveyance</b>   | screw   | screw    | screw    | screw              |
| <b>Max. room diagonal of the workpieces (mm)</b>                      | 150     | 400      | 450      | 450                |
| <b>Cartridge filter unit (standard)</b>                               | PF 4-04 | PF 4-06  | PF 4-09  | PF 4-09 or PF 4-12 |
| <b>Volume output of the cartridge filter system (m<sup>3</sup>/h)</b> | 1250    | 2000     | 2600     | 2600 or 4500       |

Other extras and features are possible.

You can find information about our drum shot blast machines here:



### **AGTOS**

Gesellschaft für technische Oberflächensysteme mbH

Gutenbergstraße 14  
48282 EMSDETTEN  
GERMANY

Tel.: +49(0)2572 96026-0

info@agtos.de

www.agtos.com