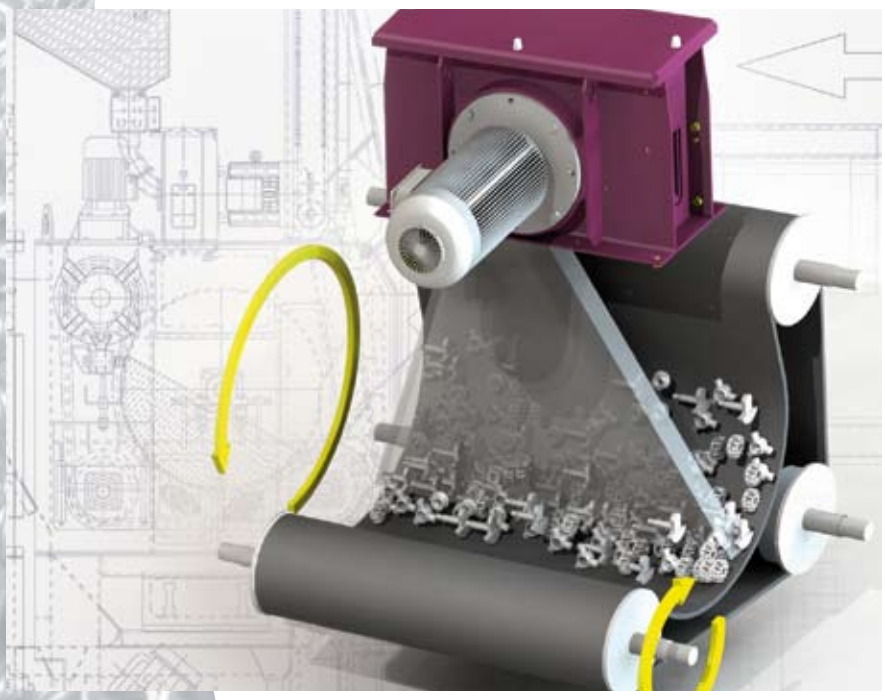
AGTOS®

Rubber Belt Tumble Blast Machines

- Blast machines
- Conveying systems
- Service & spare parts



The tumble blast design is widely accepted as one of the most effective blasting processes for removing scale, rust and burrs from mass production parts. The tumble blast machine's endless rubber belt gently rotates the work pieces and uniformly exposes them to the abrasive stream for the entire blasting time. See for yourself by taking a closer look at the advantages of ***AGTOS*** blasting technology.

Advantages of *AGTOS* rubber belt tumble blast machines:

- ➜ Reliable blasting technology
- ➜ Innovative filter technology
- ➜ Many different variants
- ➜ Automation through harmonisation with in-house transport system

Decisive advantages of *AGTOS* rubber belt tumble blast machines

AGTOS high-performance turbines

Our turbines are solid, well-constructed pieces of machinery. Due to a smaller number of wear parts and high abrasive throughput, they operate extremely economically.

AGTOS filter technology

The innovative filter technology impresses with high levels of performance. A special feature is the use of conically shaped filter cartridges that can be easily and quickly exchanged using slide-in elements. These cartridge filter systems can be retrofitted to all types of existing machinery.

Many different variants

Because of the many different variants, it is possible to build the optimal blast machine for the intended application. Besides volume capacities of 50, 90, 180 and 270 litres, etc., users can also select the type of abrasive transport system and cleaning method. Conventional machines are equipped with a screw conveyor. ***AGTOS*** also offers a vibrating conveyor for transporting abrasive as an available option. This option cleans the abrasive in the lower part of the machine after the blasting process and then directly discharges impurities and any stray work pieces. After the blasting process, work pieces can be removed manually, or they can be fed directly to a work piece conveyor for further transport. This makes the machine easy to integrate into the industrial process.

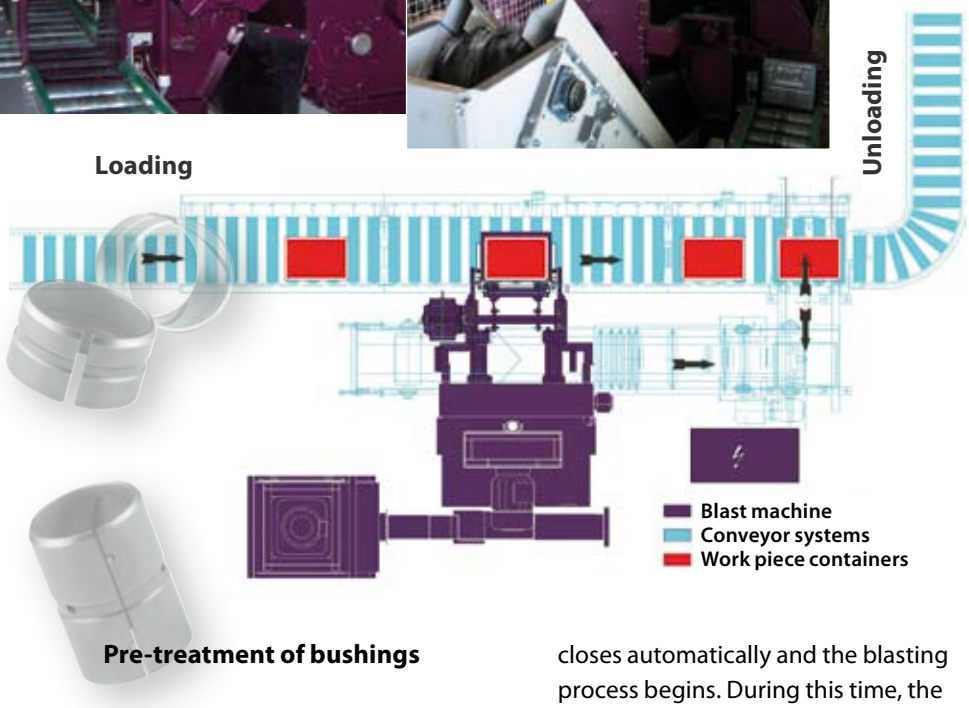
Dual-purpose machine for mass production and individual parts

The MGDT blast machine is characterized by a high degree of flexibility. It is used to clean turned and milled parts after hardening. The machine's belt has a load capacity of 400 kg for mass production parts with an individual weight of up to 15 kg. The turntable is used to clean impact-sensitive parts (e.g., armature shafts for electrical appliances). The table has a diameter of 680 mm and a load capacity of 150 kg.

Automation

AGTOS MG machines can be optimally integrated with in-house logistics systems. Custom solutions using special containers have already been successfully implemented.

Efficient blasting and cost-effective transport of mass produced parts – Practical examples…



Pre-treatment of bushings

The work pieces arrive at the loading mechanism in special containers (450 x 300 x 300 mm). The mechanism, which can be loaded from the side, takes the container and empties its contents into the blasting machine. Sensors automatically control the loading process. The door of the blasting machine closes automatically and the blasting process begins. During this time, the loader returns to its initial position in order to pick up the next container of work pieces.
After blasting, the work pieces move onto a conveyor belt. Waiting at the end of the belt is exactly the same container from which the parts were removed.

Cleaning of annealed work pieces

Pressing a button on the control panel activates a loading mechanism that directly loads the blast machine. After the door is automatically closed and secured against accidental opening, the pre-defined blasting process begins. When the blasting process ends, the door opens automatically and work pieces are incrementally emptied directly into waiting containers.

Processing of power steering gears and pumps

Here, the blast machine (fill capacity 180 litres) is manually loaded and emptied.

Used machinery

AGTOS offers used machinery that has been appropriately modernised for the intended application and adapted to existing operating procedures. ***AGTOS*** also provides for the reliable supply of spare parts.

Spare parts and service

AGTOS does more than just supply spare parts and wear parts for its own blasting machines. Parts are also inventoried for machines made by other manufacturers. Examples include turbine components, belts for tumble blasting machines and filter cartridges. Our service team is responsible for maintenance and repair work. ***AGTOS*** also offers high-quality abrasive at fair prices.

AGTOS rubber belt tumble blast machines are available in the following standard sizes:

Specifications	MG 50	MG 90	MG 180	MG 270	MG 350	MG 550
Fill capacity (l)	50	90	180	270	350	550
Belt dimensions Ø x width in mm	500 x 700	600 x 800	800 x 900	800 x 1.350	1.000 x 1.350	1.200 x 1.200
Max. single work piece weight (kg)	10	10	15	25	25	25
Max. weight of load (kg)	100	200	400	600	800	1.000
Work piece transport	Optional	Optional	Optional	Optional	Optional	Optional
Abrasive conveyor system	Screw	Vibrating conveyor or screw	Vibrating conveyor or screw	Vibrating conveyor or screw	Vibrating conveyor or screw	Vibrating conveyor or screw
Turbine (number x kW)	1 x 5,5 1 x 7,5	1 x 7,5	1 x 7,5 1 x 11	2 x 7,5 2 x 11	2 x 11 2 x 18,5	2 x 11 2 x 18,5
Loader	Optional	Optional	Optional	Optional	Optional	Optional
Filter unit	PF 4/4	PF 4/4	PF 4/6	PF 4/9	PF 4/12	PF 4/12

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