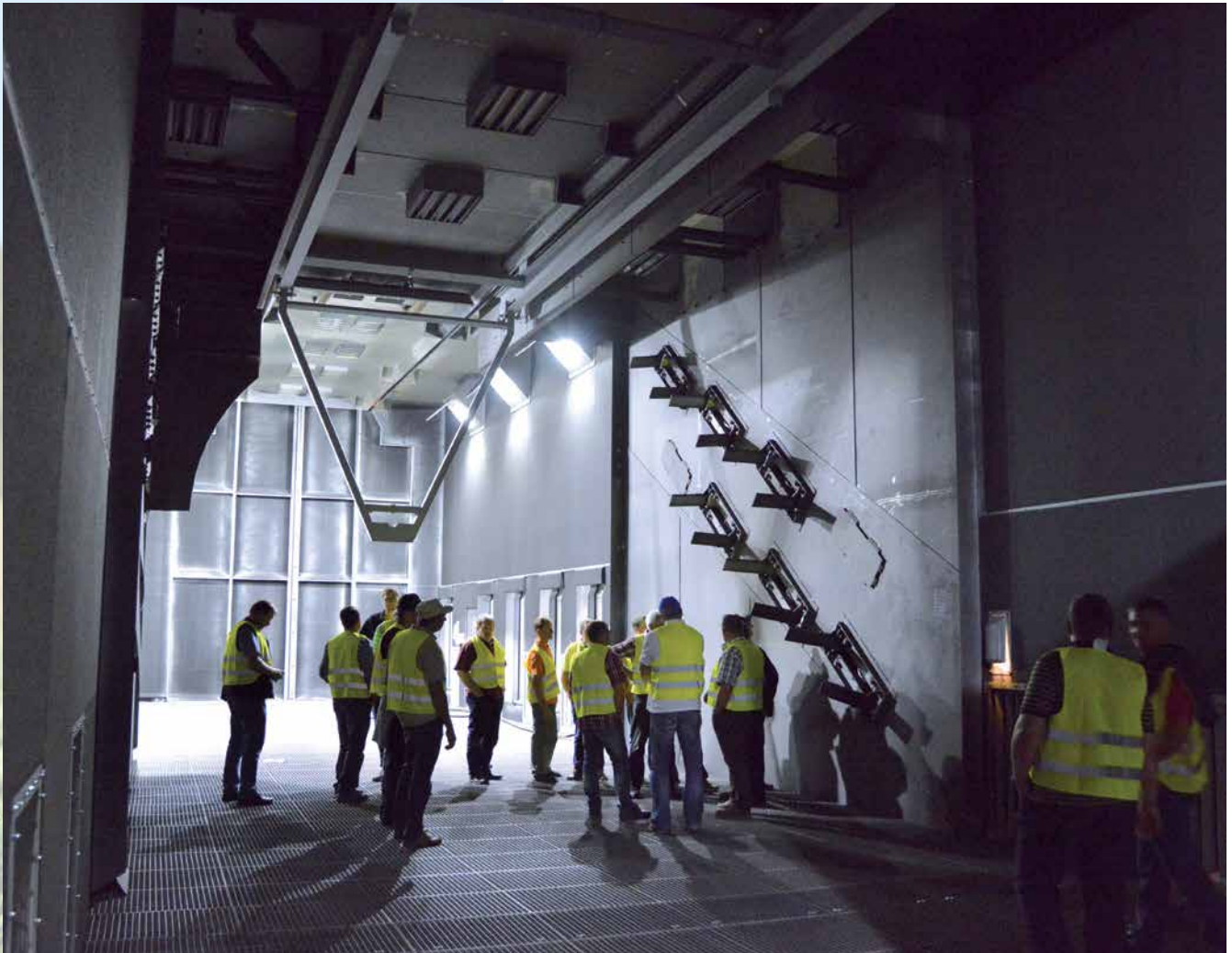




AGTOS[®]

Shot blast technology solutions for manufacturer of agricultural machinery

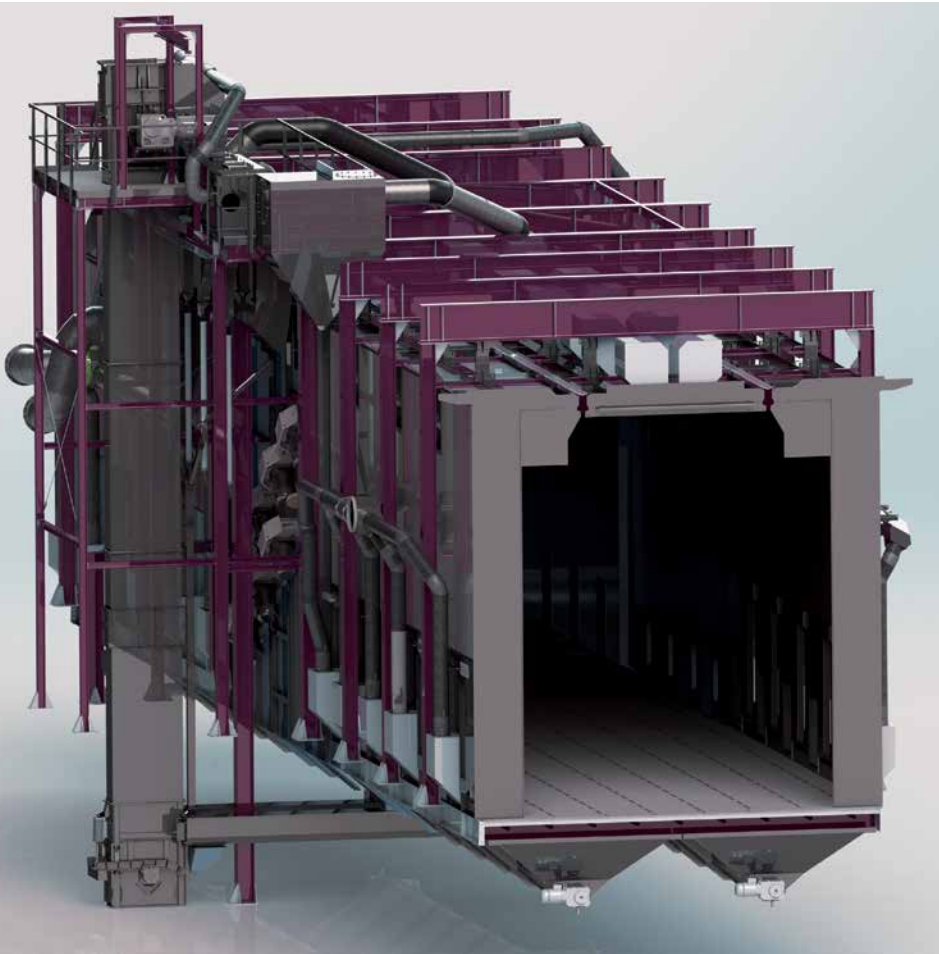
- Blast machines
- Pre-owned machines
- Conveyor systems
- Service and spare parts



Equipment and machinery used in agricultural engineering must meet extremely high requirements. The protection of the surfaces and with that the preservation of investments is a prevailing subject matter. Extreme mechanical stresses as well as contact

with aggressive substances present increasing requirement on the surface technology. In this area, **AGTOS** has provided a multitude of solutions. Some of them will be presented in this brochure.

Cleaning and descaling of large and small welded structures at ROPA



AGTOS Continuous overhead rail shot blast plant for finishing large steel components. The workpieces are moved through the system and rotated in front of the turbines.



If the turbines did not shot blast some surface areas, these areas can be subsequently shot blasted manually.

The new coating systems are designed for environmentally friendly solvents and emission-free powder coating. The thicknesses of the coating layers range from 60 to 120 μm . Compared with wet and dipping paint, they display a much higher resistance to the weather and acidic substances.

When it comes to mechanical loads, these layers are much more resilient.

In order to pre-treat the coating, two shot blasting systems of different sizes were installed. The turbine-wheel shot blasting plants are set up for workpieces with max. dimensions of 10 x 3.5 x 4 m (L x W x H) for the large part plant, and 6 x 2 x 3 m (L x W x H) for the small part plant.

They remove the scale and rust film in a reliable fashion. Due to the rough surface that is caused by this procedure, the paint can intermesh properly. This leads to a much better adhesion of the paint.

After shot-blasting, the components are also iron-phosphated and passivated. After coating and burn-in of the paint at 200 °C, a resistance that will exceed 1,000 hrs is achieved for the salt spray test.

Highlights of the large components system:

- Diameter of workpiece envelope 5,000 mm
- Max. length of workpiece 13,000 mm
- Max. weight of workpiece 10,000 kg (+ approx. 1,500 kg of blasting abrasive)
- Blasting speed approx. 0.2 m/min
- Blasting time approx. 120 min (for part lengths up to 11,500 mm)
- Automatic position calculation for blasting programmes
- Rapid traverse for pulling out 6 m/min



Highlights of the small components system:

- Flexible cross beam introduction of various commissions possible
- Automatic workpiece transport within the machine
- Traverse shot blasting max. 2,000 kg
- Flow speed approx. 1 – 5 m/min.
- After blast and blow-off room

AGTOS Continuous overhead rail shot blast plant for finishing small steel components. The workpieces are attached to a special workpiece carriers and shot blasted on both sides while moving through the process.



Application examples of AGTOS turbine-wheel shot blasting plants



Rubber belt tumble blast machines for shot blasting small parts



Continuous overhead rail shot blast plant for descaling and cleaning of fertiliser and seed spreaders



Satellite turntable blast machine for strain hardening of transmission parts



Roller conveyor blast machine for cleaning welded designs



Continuous overhead rail shot blast plant for cleaning blank parts



Continuous overhead rail shot blast plant for structural elements



Continuous overhead rail shot blast plant for welded structures with a manual after blast and blow-off room



Continuous overhead rail shot blast plant for cleaning welded designs



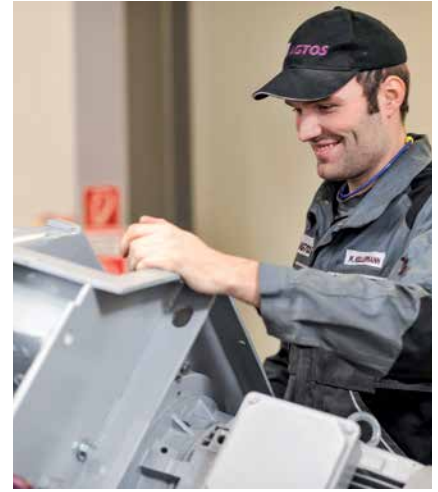


Modernization that measures up

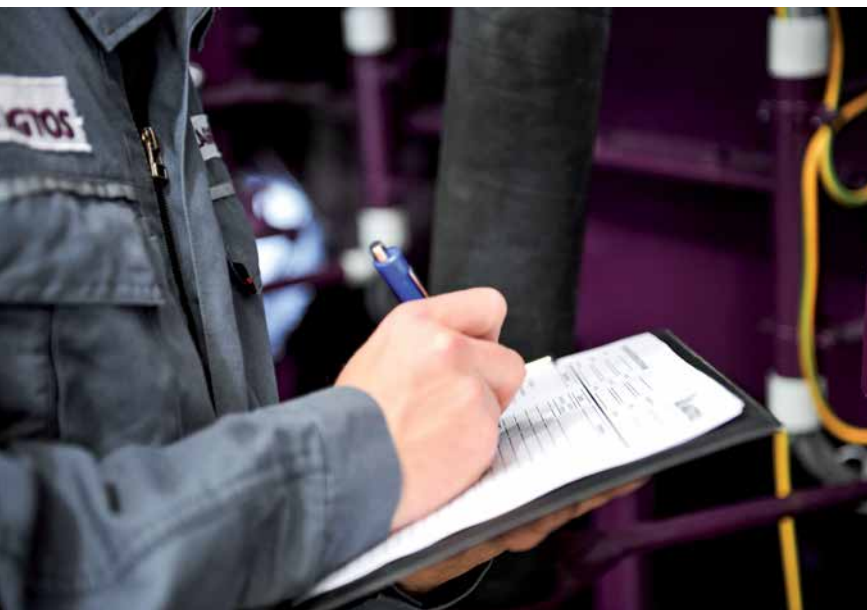
Pre-owned shot blast machines are stored and in case of a project are refurbished according to demand, and are adapted to the new requirements and painted.

This allows the user to receive a machine appropriate for his needs at a favourable price. Many customers bridge production and supply shortages with pre-owned machines. Flexibility in the sales department (leasing, rental) and in the technology (quick provision and delivery) as well as the complete service including the supply of spare parts are possible.





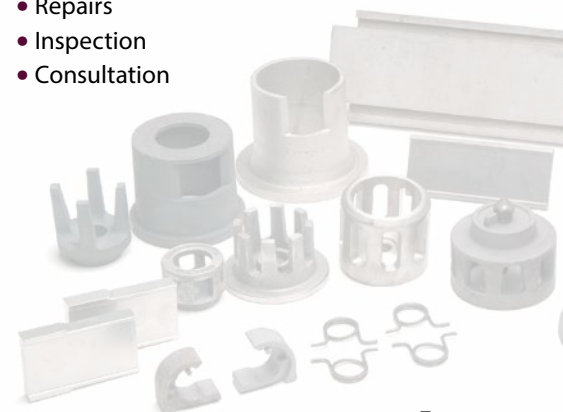
Professional service



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

Our services include:

- Spare parts
- Modernization
- (Remote) maintenance
- Repairs
- Inspection
- Consultation





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