



AGTOS®

Conserving resources in shot blasting technology

The importance of respect for the environment grows continually in our daily lives, with us changing our habits and developing further as a consequence. The environmental issue also attracts increasing attention in shot blasting.

In addition to the positive environmental aspect, many users also frequently benefit from comparatively lower operating costs.

AGTOS also addresses this issue and observes the following:

- When planning machinery, needs-based activation of turbines and the abrasive supply must be ensured. No continuous blasting occurs without workpieces. This relieves stress on the shot blast machine and reduces abrasive and energy consumption. This principle can be equally applied to cleaning of workpieces (e.g. when blowing off residual abrasive).
- Automatic deactivation of shot blast machines in the event of waiting times. The abrasive cycle and filter system overrun is time-controlled in each case.
- Abrasive cleaning is essential for positive wear values. Practical wind sifting configuration options mean that a lot of material and abrasive is saved through lower wear in the shot blasting machine.

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

→ Drive efficiency classes are taken into consideration when designing **AGTOS** shot blasting machines.

→ Actuators for shell valves contribute to efficiency, as turbines can only be fed abrasive volumes to suit immediate needs.

→ Frequency converters for turbine motors enable adaptation of speed to the process. This impacts on wear and energy consumption.

→ Savings can also be made here through needs-based setting of frequency converters for tumble belt or wire mesh belt conveyor drives.

→ **AGTOS** high-performance turbines are designed to ensure that, while requiring the same amount of energy, the abrasive shot flow rate is greater than that of competitor models.

→ Control of filter cartridge cleaning depends on differential pressure, reducing stress on the filter material and saving compressed air.

Blasting pattern simulation:

As early as the project phase, we examine your workpieces in detail and use analysis tools to work out the best machine configuration for you. This process forms the basis for a concrete and informative offer. In many cases, the use of suitable software saves you and us the blasting tests. The project period is noticeably shortened. The logistics effort is also eliminated here, as no workpieces have to be transported. This option therefore also has advantages in terms of sustainability.

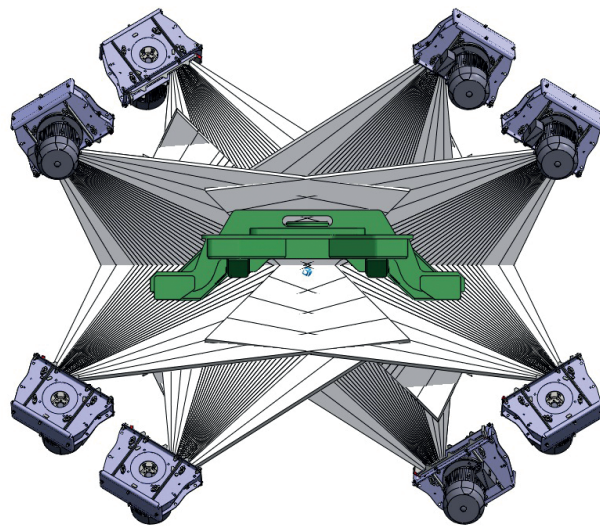
With the help of the software, we can recognise the surfaces on the workpieces that are exposed to abrasive and can thus make anticipatory statements about the expected blasting result. The intensity of the blasting is visualised by colour coding.

Our first priority is to find the correct solution for our customers. Depending on the project, analogue blasting tests are also carried out. We have a well-equipped technical centre for this purpose. In these cases, we choose the best options to keep the effort calculable for everyone. Simulations can also

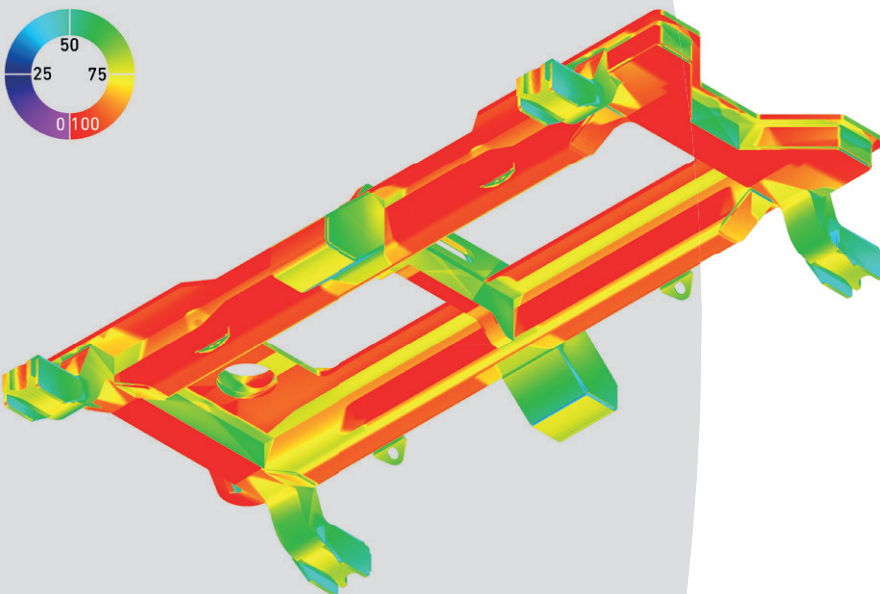
be used to prepare analogue tests, e.g. to reduce the time required for tests and to reduce the number of rejected parts.

Do you have any questions?

We'll be more than happy to answer them.



Structure of the simulation with visualisation of the blasting pattern



Result of the simulation with coloured display of the intensities

More info on this topic:



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