

## AGTOS

### Economic blasting of bulk goods

AGTOS, Emsdetten, Germany, is presenting a compact drum shot blast machine type TS 0150 in the „Surface Technology Area“ at the „Industrial Supply“ show within the “Hanover Messe” exhibition (24th - 28th April 2017) on the common VDMA booth in hall 6.

The trend towards delicate production parts continues. Material savings and new manufacturing methods require a continual careful treatment. This is why AGTOS developed a new series of drum shot blast machines in particular for the treatment of bulk goods. Apart from a professional blasting technology, they focus on a careful treatment of the work pieces.

The blast technology treatment of bulk goods may have different objectives. Two of the most common are clean blasting and hardening. It is important that all parts are treated in the same way and with the same intensity which frequently has to be proofed by means of technical data. AGTOS has the experience to treat bulk goods reproducibly and identically. The size of the workpieces varies from a few millimeters up to compact parts.

With a loading unit drum shot blast machines are automatically loaded batchwise. For this, the drum is in loading position and after the loading process swivels into the blasting position. The abrasive is thrown into the rotating drum by means of an AGTOS high performance turbine. Thanks to the good blending, all of the work pieces are evenly blasted. After the blasting process they return into the provided containers by softly tilting them out of the drum.

While bulk goods can be treated batchwise in a drum shot blast machine, a continuous production can be built up by a combination of several machines. Besides an increase of the



AGTOS drum shot blast machine TS 0150 for blast technology treatment of bulk goods (Photo: AGTOS)

capacity by operating additional machines, non-productive times can be reduced and downtimes can be balanced for example by maintenance works.

Reliable procedures are essential for a safe production. The AGTOS high performance turbines with their functional one-disc system represent a maintenance-friendly and powerful plus of the machines. The optimized construction saves abrasive, the tool in the blasting technology. Apart from the proven turbine technology, the reliable and maintenance-friendly filter technology is especially worth mentioning. A differential pressure depending cleaning of the filter cartridges contributes to the economic method of operation as well.

Another aspect for the design of this machine series was the energy efficiency. All drives are designed according to the latest eco-design guidelines. Thus, the shot blast machine consumes a relatively small quantity of energy compared to conventional machines. This helps to keep the operation costs to a minimum.

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