



# Economic Shot Blasting of Castings

The surface treatment of castings has a decisive influence on the quality of the final products.

At the fair GIFA which takes place in Düsseldorf from 25<sup>th</sup> - 29<sup>th</sup> June 2019 AGTOS will present a steel mill tumble belt shot blast machine in hall 16, booth A39 (Fig. 1).

This type of machine is used for removal of sand and finishing the surfaces of casted mass products (Fig. 2).

Special features bring decisive advantages to the operator. The brackets of the steel mill tumble belt are designed to be particularly wear-resistant. The change intervals extend significantly. The ventilation of the blasting chamber has been designed in a special manner which ensures that the workpieces leave it dust-free immediately after blasting. In



Figure 2: The blast machine by AGTOS is used for removal of sand and finishing the surfaces of casted mass products.



Figure 1: The steel mill tumble belt shot blast machine by AGTOS will be showed during the next GIFA fair.

this way, the cycle time can be short ened. A longer air outlet is avoided after the blasting process. In addition, the system has comparatively small gaps in the blasting chamber. This prevents jamming of the workpieces and ensures their quality.

In addition, the plants will be equipped with the strong and easy-to-maintain AGTOS high-performance turbines. Even the reliable filter technology is a popular advantage due to the maintenance-friendly design. The exhibition team likes to show the details at the exhibit.

## Process flow

The workpieces are fed to the blasting system by means of a feeding device. A steel caterpillar belt forms a hollow and mixes it. After the machine is closed, the blasting process starts. High-performance turbines installed in the upper part of the blasting room throw the blasting abrasive onto the parts. This way they are removed from the molding sand and blasted. By changing the belt movement in the forward run the workpieces move back from the blasting chamber into grid boxes, or on a discharge belt. After the blasting process, a coating or the dispatch of the workpieces follows.

For further information:  
[www.agtos.de](http://www.agtos.de)