



## Feeding and weighing of shredded scrap metal

**Product group:** Trough conveyor

**Industrial process:** Discharging, feeding, conveying

**Industry:** Recycling, Environment, Glass

**Type of drive:** Magnetic vibrator



**capacity (t/h):** 10 | **bulk:** shredded metal scrap | **density (t/m<sup>3</sup>):** 0,3 - 5 | **grain size (mm):** 0 - 33, max. 100

**function:**

Shredded scrap metal is placed with a front end loader into a bunker. The bunker has to be fed continuously by weighing to an existing belt. The bunker stands in an acceptance hall and the very abrasive scrap metal is then further processed inside the hall. Therefore, there was a requirement to avoid dust as much as possible.

**solution:**

The parameters of the delivered feeder OA 4600 / 700ASS-MVG33-1P are designed exactly to the customer's requirements. The capacity of the bunker was given as 5.8 m<sup>3</sup>. The material, which is in contact with the product has to be non-metallic because of the magnetic properties of the scrap metal. An installed water spraying system prevents the formation of dust. The simultaneous weighing is also installed for a continuous filling of the bunker.

**usability:**

The customer has received a complete solution that enables continuous filling of the bunker by weighing, minimizes dust formation and, thanks to the robust design, also meets the requirements of the abrasive bulk material. The unit was designed to use the best use of the space available.

**place of installation:** Germany