Container filling

Automated and dust-tight filling

STAG's container handling system enables automated and dust-tight filling of roll-off containers. The container is tilted with the traversing and tilting station, thus achieving an ideal filling level.
STAG can develop a targeted concept for customer-specific operating requirements. With additional options such as reversible filling conveyor belts, feed hoppers and docking chutes with integrated filling flaps, many systems are successfully in use.

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Function
Automated tipping station with lowering and lifting hydraulics for filling specially developed ACT containers for the bulk material dry slag. The container is pushed onto the frame by the truck with hook or chain equipment as far as it will go and tipped hydraulically.
The filling process is then started and when it is finished, the container is lowered again and picked up by the truck.

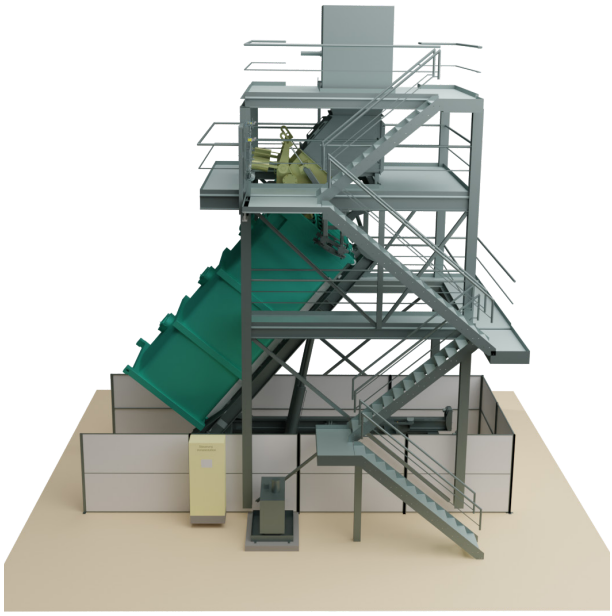
Construction and design
The design is based on the drawings and documents prepared by STAG. The tilting table is designed as a stable welded sheet metal construction. It essentially consists of a lower frame section, middle section and the tilting frame. In addition, 3 fixings with spherical bearings, 4 side guides, consoles and locking devices as well as stops are provided. A 6-stage telescopic cylinder serves as the tilting device. A locking cylinder and a cylinder for the tiltable stop are also fitted.

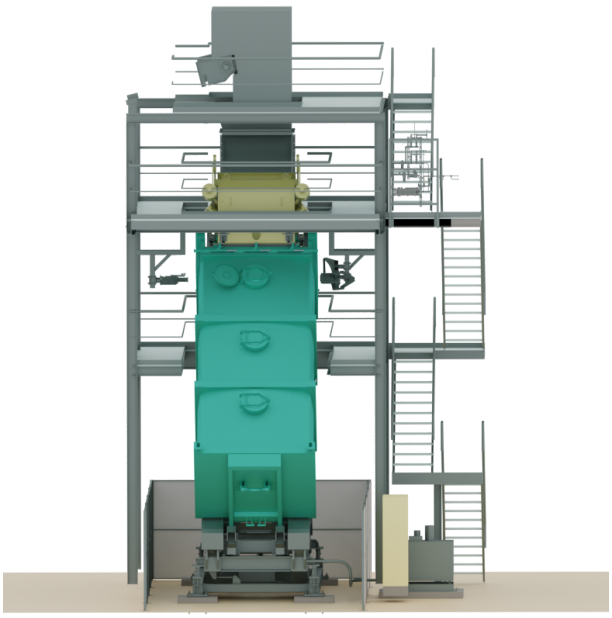
- Tilting method using hydraulic telescopic cylinders
- Container locking by means of tiltable stop cylinder
- System is operated fully automatically
- System control
- Tilt angle 50°
- For ACTS containers
- 3 options (for truck / rail wagon and crane)

Experience
- 2 redundant filling systems at ERZ Hagenholz
- 1 pc. Emptying station at KEZO Hinwil
- 1 pc. Filling system at KEZO Hinwil
- 1 pc. Filling system at KVA Horgen
- 1 pc. Filling system at Satom Monthey
- 2 pcs. Filling systems at Enova Zuchwil

USPs
- Closed design, dust-tight
- Self-cleaning due to scraper floor

Industries
- Waste-to-energy plants Slag handling
- Steel industry
- Cement industry





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