

# Truck Unloading Station

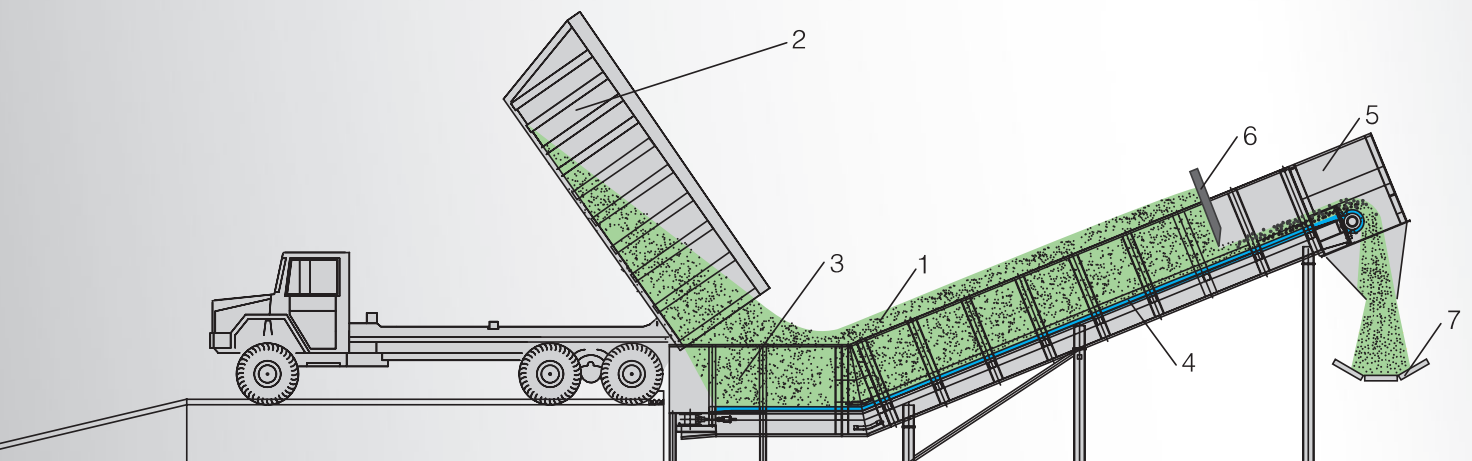
FACT SHEET



## Functional Description

The bulk material (1) is delivered by truck (2) and is tipped into the reception area (3) of the unloading station. As the conveyor apron moves forward, the heap of material is transferred onto the top strand of the belt, towards the drive station (5). As this happens, any material remaining in the truck body can continue to slide down until the load has been completely discharged.

Virtually all the volume of the unloading station acts as an intermediate buffer to store the bulk material. This way, a full truck-load can be received quickly while discharging is controlled over a longer period of time. To do this, a levelling blade (6) is located in front of the drive station (5), allowing only a defined flow of material onto the downstream conveying equipment (7).

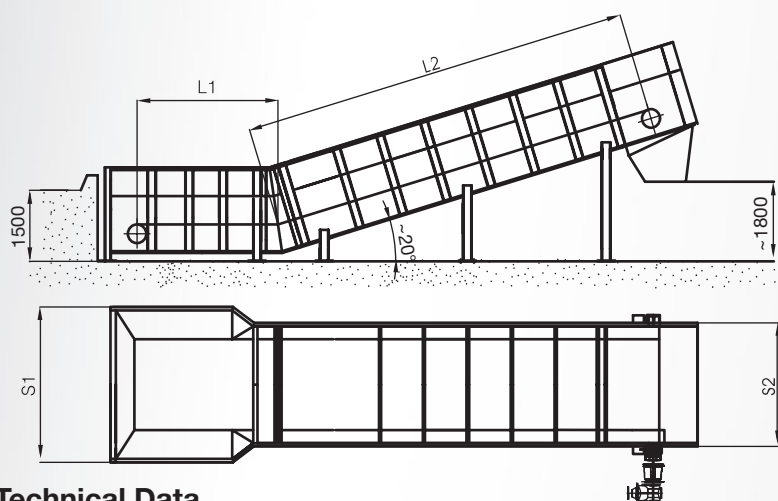




Truck unloading station in operation

### Bulk Materials for processing:

- Limestone, shale, sand
- Clinker
- Coal and lignite, coke
- Gypsum + FGD-Gypsum
- Ores
- Waste: MSW, sludge
- Pellets
- All alternative fuels: RDF, SRF, wood, tyre chips
- Ashes
- Fertilizer, minerals, ...

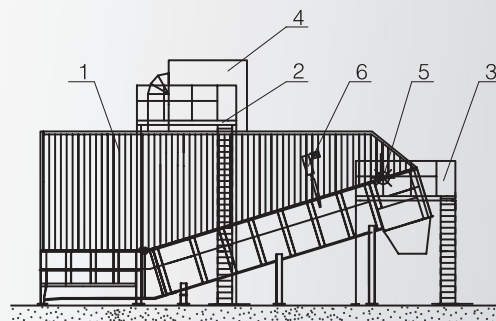


### Technical Data

Discharge Capacity 5,0 ... 2,500 t/h

	Dimensions [mm]			
Body Volume V [m <sup>3</sup> ]	30	45	60	90
Belt Width [mm]	2600	2600	3600	4600
L1	3000	4000	4000	4000
L2	7000	9000	9000	9000
S1	3000	3000	4000	5000
S2	2600	2600	3600	4600

\* Other sizes and arrangements on request



### Available Options

- 1 Dust housing with rubber curtain
- 2 Inspection platform with ladder/stairs to access dedusting unit
- 3 Inspection platform with ladder/stairs to access drive unit
- 4 Dedusting filter system
- 5 Rotary cutter
- 6 Motorized levelling blade

### Customisation Options

- Mobile version with wheels
- Water spray system for dedusting
- Front loader infeed
- Grizzly for scalping oversize feed
- Inclined feed hopper version



## **Solutions for bulk materials handling:**

### **Product Range:**

- Engineering; Planning; Design;  
Manufacturing; Installation and Commissioning for single machines and complete plants
- Bulk Material Testing
- Silo and Bunker Discharge Systems  
BinEX, PlanEX Silo Dischargers, Bunker Discharge System
- Conveying and Handling Systems for Bulk Materials  
Truck Unloading Station, Trailer Docking Station,  
Chain Conveyors, Screw Conveyors, Belt Conveyors
- Silos and Steelwork

### **Industries:**

- Cement, Lime and Gypsum
- Power (including Alternative Fuels)
- Coal and Lignite
- Mining
- Chemical
- Food
- Steel, Foundries
- Environmental Protection, Sludge and Waste Handling

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