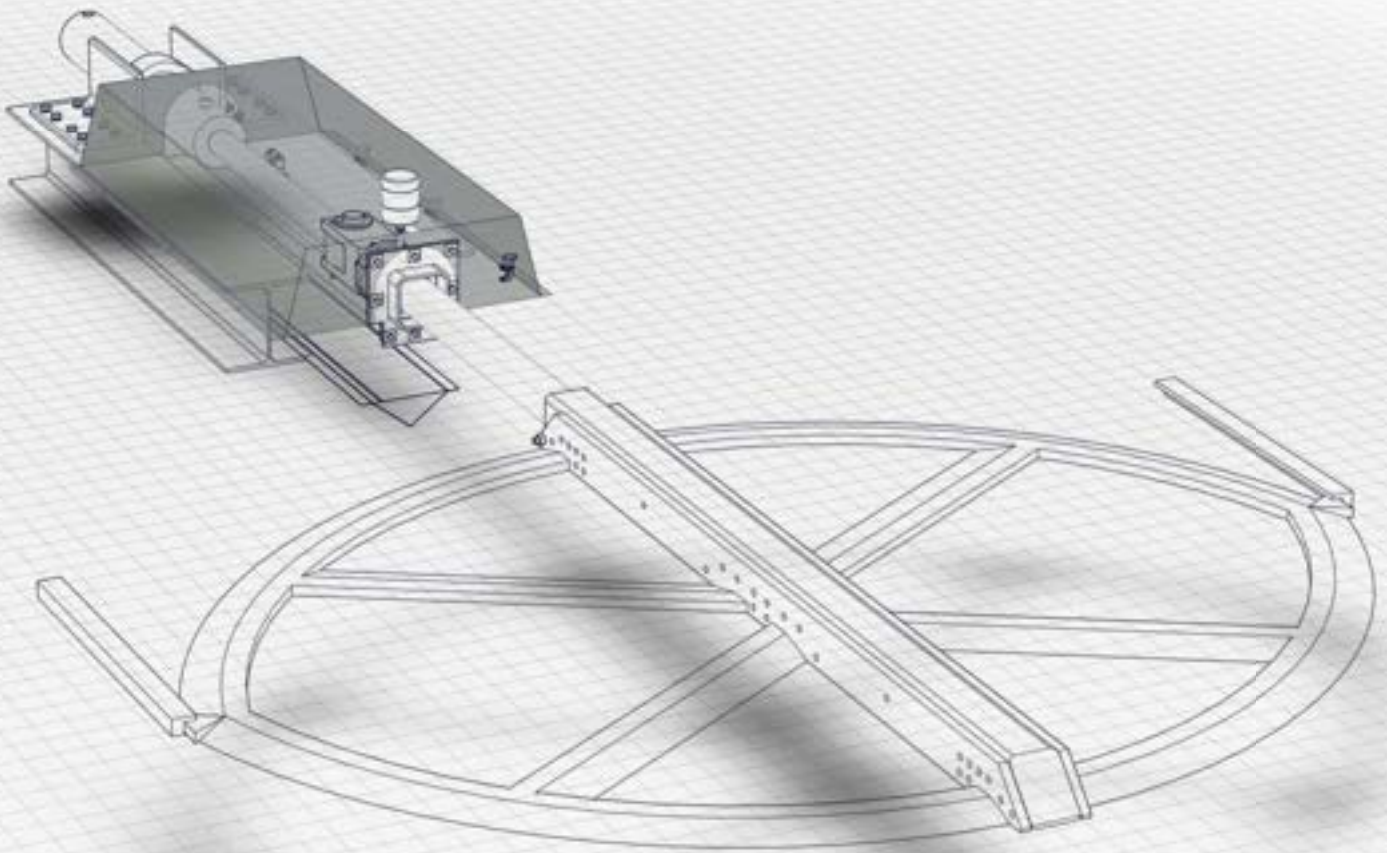


Sliding Frame

Optimal discharge device for
round flat bottom silos



Saxlund International offers a wide range of bulk handling equipment including silo systems with discharge machines.

All of this is designed for difficult non free flowing bulk solids and is therefore mainly suitable for the cement industry, timber and wood board industries as well as for sludge cake handling in the water industry and indeed many other industries worldwide.

The Saxlund International Sliding

Function

The slide frame is hydraulically driven and slides back and forth on the silo floor in the axial direction..

The stored product is traversed in the forward movement and pulled in the subsequent backward movement in one or more discharge screws, which are mounted below the silo bottom..

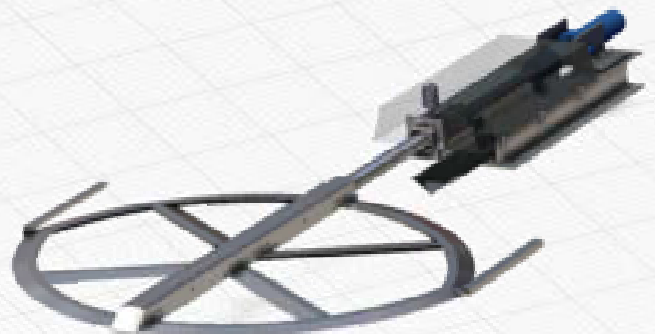
This efficient, material-saving function is due by the patented geometry of the frame cross-section.

Reliable, safe and economic

The energy consumption with the Sliding Frame discharger is considerably lower than with most other systems.

The minimum amount of energy is used to move the material from silo storage to the process.

The parts within the silo are subjected to very little wear and it is possible to maintain the machine from outside the silo - even with the silo full. **This is a big advantage.**





Fields of application

There are generally three main areas for the original Saxlund Sliding Frame discharge device:

- The acceptance of bulk goods. This means trucks deliver the material and transport it to dedicated pits. The material is pulled by the sliding frame.
- The entry of bulk material in the process, such as a drying system or combustion plant.
- The discharge on truck for transport to other facilities

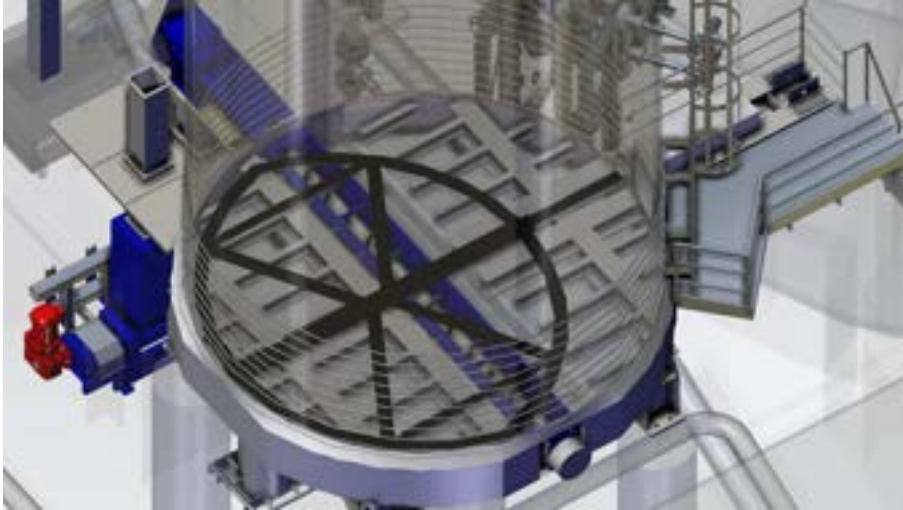
Full service

Saxlund International offers a complete service from engineering and manufacturing of silo plants to commissioning and worldwide after-sales service. Our in-house quality control ensures a consistently high quality of all plants.

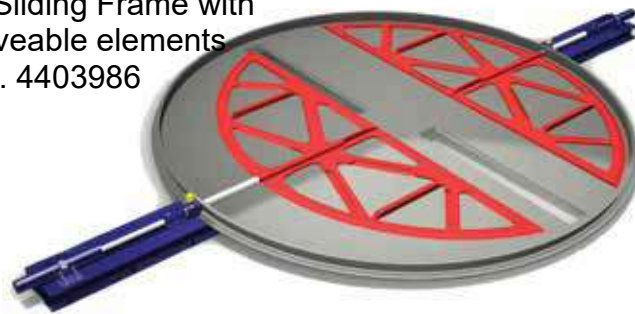
Design Possibilities

The original Saxlund International Sliding Frame discharge system is built in diameters from 2.5m up to 12m and with silo capacities from 5 m³ up to 2.500 m³. The Sliding Frame can be retro fitted into the client's existing silo. The silo can be constructed from steel, concrete or plastic.

Sliding Frame for sludge cake



Patent Sliding Frame with
two moveable elements
Pat.-No. 4403986



The Sliding Frame is an 'original' discharger design by Saxlund for flat bottom circular silos.

It is designed to function with non free flowing and difficult materials such as dewatered sludge cakes. The flat silo floor concept gives many advantages such as the maximum possible sized discharge openings.

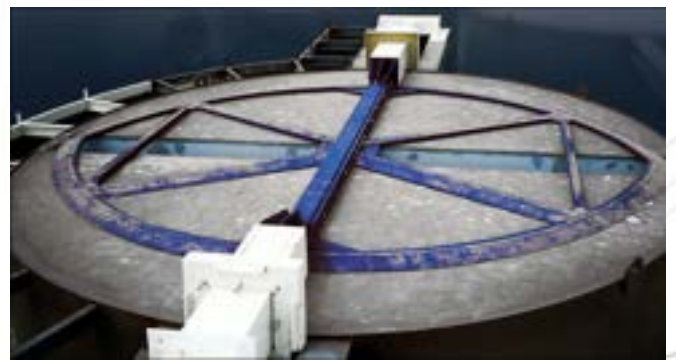
The Sliding Frame discharger creates 'mass flow' within the silo even with these difficult materials. The client can be sure of an accurate discharge and metering of the stored material.

Advantages

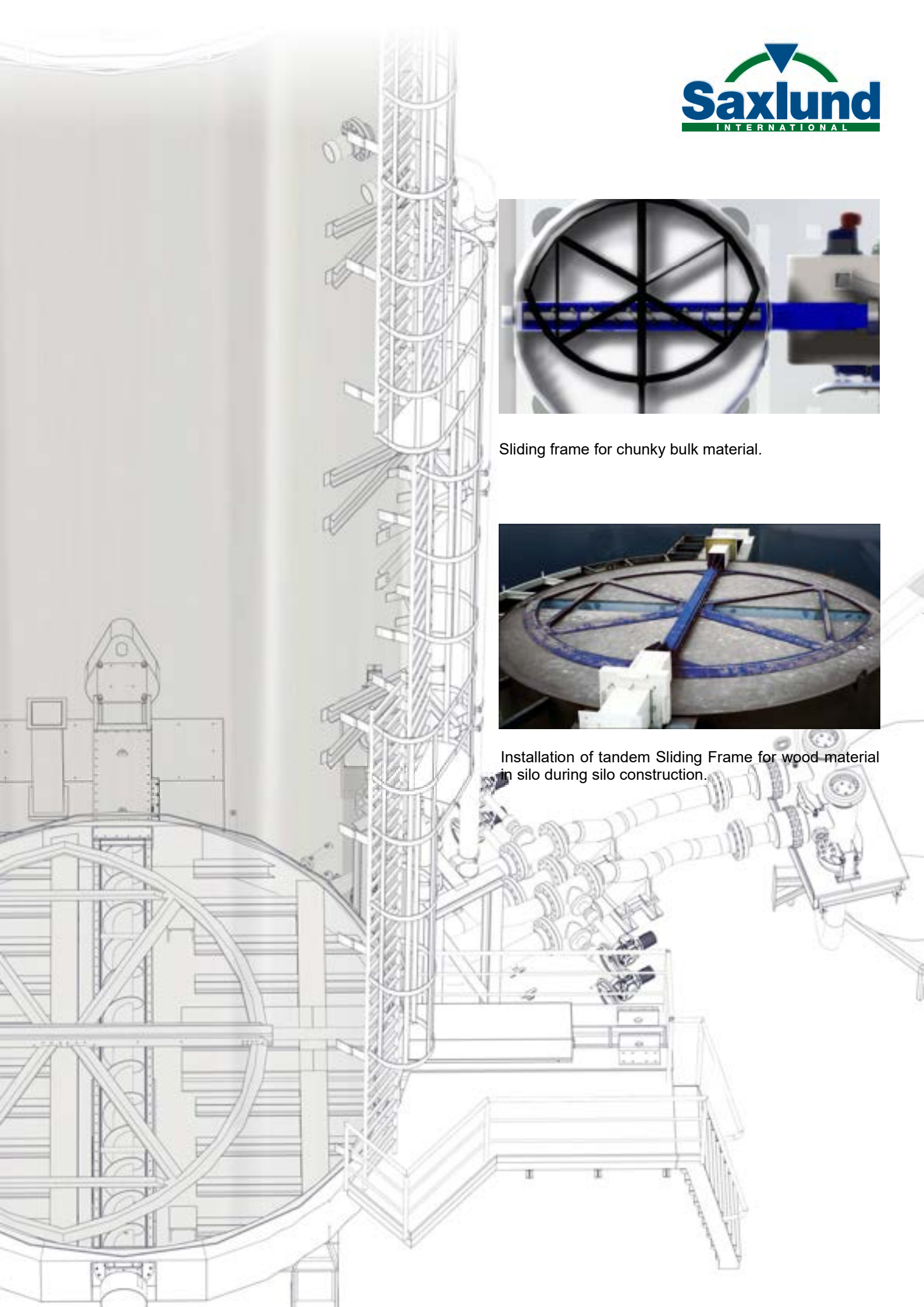
- Completely closed system - no odour
- Effective and simple operation
- Low power consumption
- Low maintenance costs
- Exact dosage
- Flat bottom silos are economic to manufacture and maximise storage capacity
- Complete systems from one experienced supplier



Sliding frame for chunky bulk material.



Installation of tandem Sliding Frame for wood material in silo during silo construction.



For more than five decades a proven dispensing system

All of our discharge machines were invented by us and are continuously developed by our team of dedicated Engineers.

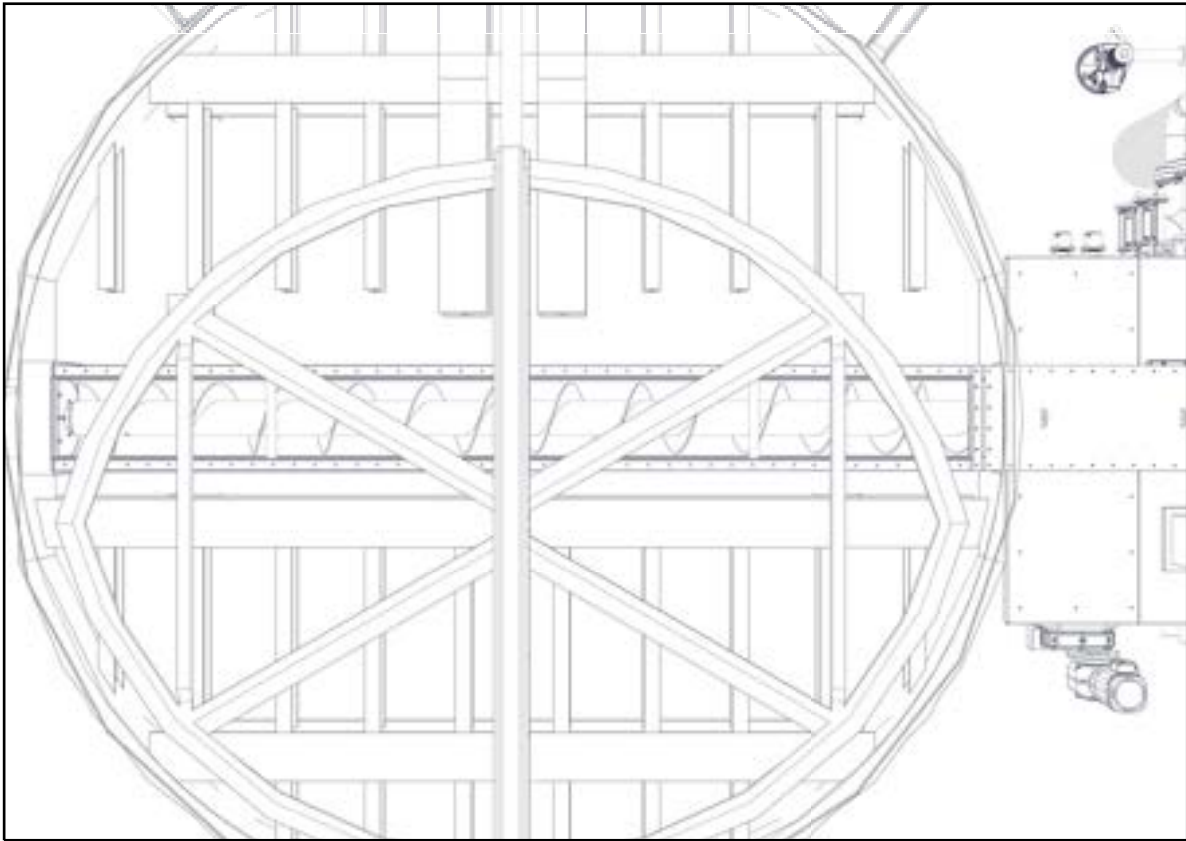
They are all designed to give optimum results while using the minimum of energy with the most robust construction offering long life and low maintenance costs even under the most arduous operating

Advantages:

- Low energy consumption
- Low maintenance costs
- Very low wear - slow moving
- Excellent maintenance access



In combination with a modified screw geometry, relief wedges on the silo wall and patented activators on the slide frame, the problem-free and reliable discharge of even critical bulk materials, such as moist wood chips is ensured.



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Further products for silo and conveying technology:

- Saxlund Solids Pumps
- Saxlund Push Floors
- Screw conveyors
- Elevators
- Rotors
- Trough chain conveyors
- Rotary valves
- Control systems
- Trailer Docking Station