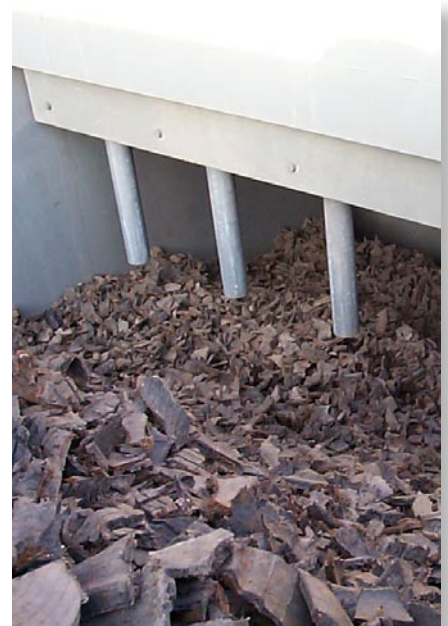


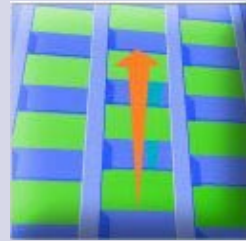
## HANDLING - RECYCLING



### **Saxlund International offers a complete line of material handling and recycling equipment**

The demands of today and the increasing requirements of tomorrow require unique designs for equipment handling difficult bulk materials. Saxlund International's priorities have always been concentrated on the ever-changing techniques, environmental requirements and economic climate of industry. The result is an extensive line of equipment designed for the handling and storage of 'difficult' materials. The development of such products is based on know-how developed through more than forty years of experience.





Specialist in  
**bulk material handling** with particular expertise in  
**flat bottom silo and bunker designs.**



### Sliding Frame Discharge System

Saxlund International's original Sliding frame discharge system was the first developed and patented in 1972. The Sliding frame covers the entire silo bottom and discharges the layers of material in the order in which they were introduced into the storage silo. i.e first in - first out! The Sliding frame pushes the stored material into one or more openings in the silo bottom thereby creating "mass flow" which eliminates bridging and allows the material to flow at the desired maximum rate.

The Sliding frame silo discharge system has no moving parts within the silo other than the reciprocal movement of the frame itself. The result is that no direct wear or machine element can come loose and cause damage within the silo or downstream equipment.

Maintenance accessibility is enhanced since all the serviceable parts are accessible from the outside of the silo

### Rotor Discharge System

The Saxlund International Rotor discharger units are a direct descendent from the original Saxlund rotor first patented in 1952.

The system features an electromechanical driven rotor with hydraulic-actuated feeder arms. The systems are designed for round silos up to 7500m diameter.

### Transport Equipment

Saxlund International has developed an extensive range of equipment designed to handle many different types of material.

These equipment, among others, are available from Saxlund International:

- **Elevators**
- **Screw Conveyors**
- **Vertical Screw conveyors**
- **Chain conveyors**
- **Rotary feeders**

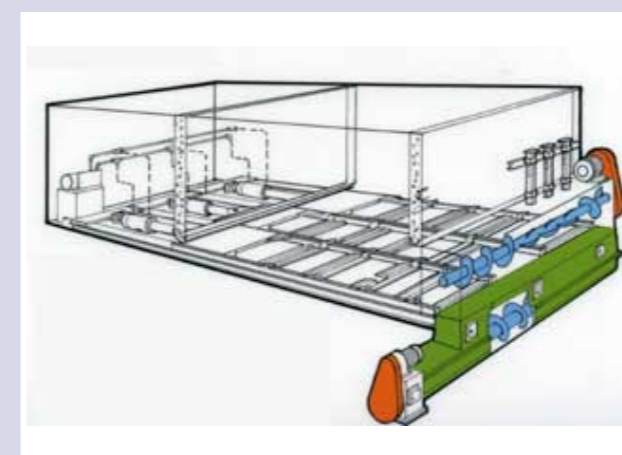
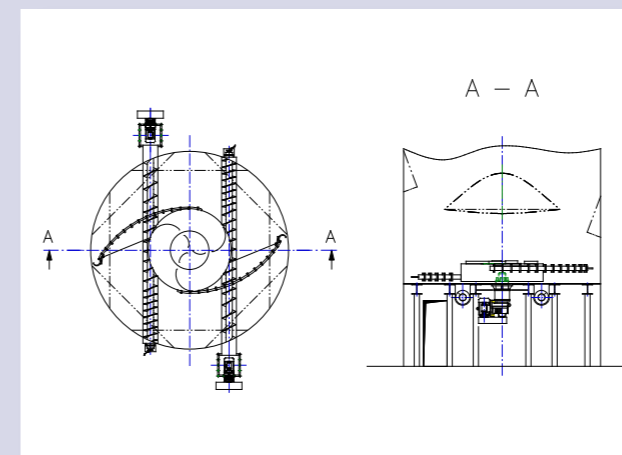
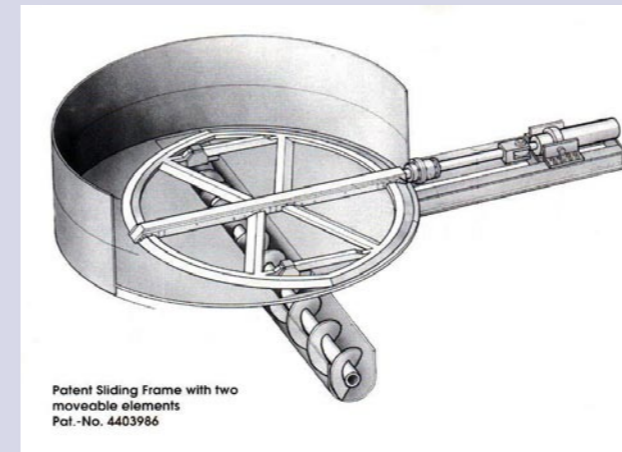
### Push Floor Discharge System

The Saxlund International Push floor is designed for use with square and rectangular flat-bottom bunkers containing "difficult" to handle bulk solid materials.

The heavy-duty Push floor is specifically designed for heavy wet and non free-flowing materials.

The design eliminates the typical rear wall packing problem often found in rectangular bunkers and the material is always delivered on a first in - first out basis.

The Push floor can be used to discharge the stored material to any number of feeder/metering systems including screw conveyors, sludge pumps, belt conveyors or chain conveyors.



### The Tubefeeder Discharge System

The unique patented Tubefeeder system consists of a screw conveyor housed inside a rotating tube that serves to relieve external pressure from the surrounding material. The tube rotates independently of the screw and uniformly receives the bulk solids through slots along the length of the tube. The inner screw conveyor conveys the material to the end of the tube where it is discharged to a take-away conveyor.

The Tubefeeder can be used in conjunction with both round and rectangular silos. This innovative system offers many advantages:

#### Cost Effective

- Low energy consumption
- Low wear
- Low maintenance

#### Material Control

- Control of segregation
- Non-destructibility
- Homogenizing

#### Process Control

- Controllability
- Continual mixing
- Uniform discharge

#### Productivity

- Long span distance
- High capacity
- High availability



#### **Offices, subsidiaries and agents in:**

Australia  
Belgium  
Brunei  
China  
Denmark  
Estonia  
France  
**Germany**  
Holland  
Hong Kong  
Indonesia  
Italy  
Ireland  
Japan  
Malaysia  
New Zealand  
Philippines  
Poland  
Portugal  
Singapore  
Spain  
**Sweden**  
Switzerland  
Taiwan  
Thailand  
**United Kingdom**  
**United States**

#### **Recycling**

Saxlund International has extensive experience in handling "difficult" recycle materials.

Saxlund equipment is in use for transporting and discharging tyres (whole and/or shredded), garbage, plastic, gypsum, chips etc.

#### **Saxlund International**

Saxlund International is an experienced and reliable partner for the supply of efficient systems for material handling and recycling, sludge handling, energy plants fro biomass fuel and ash/slag handling.

- Original Saxlund Sliding frame • Original Saxlund Push floor
- Wide range of equipment • Cost efficient equipment
- Ease of maintenance • Customized system
- Years of experience • Pateneted designs

#### **Saxlund products for silo and conveying technology:**

- Solids Handling Pumps • Troughed Chain Conveyors
- Screw Conveyors • Control Systems
- Sliding Frames • Rotary Valves
- Push Floors • Elevators

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