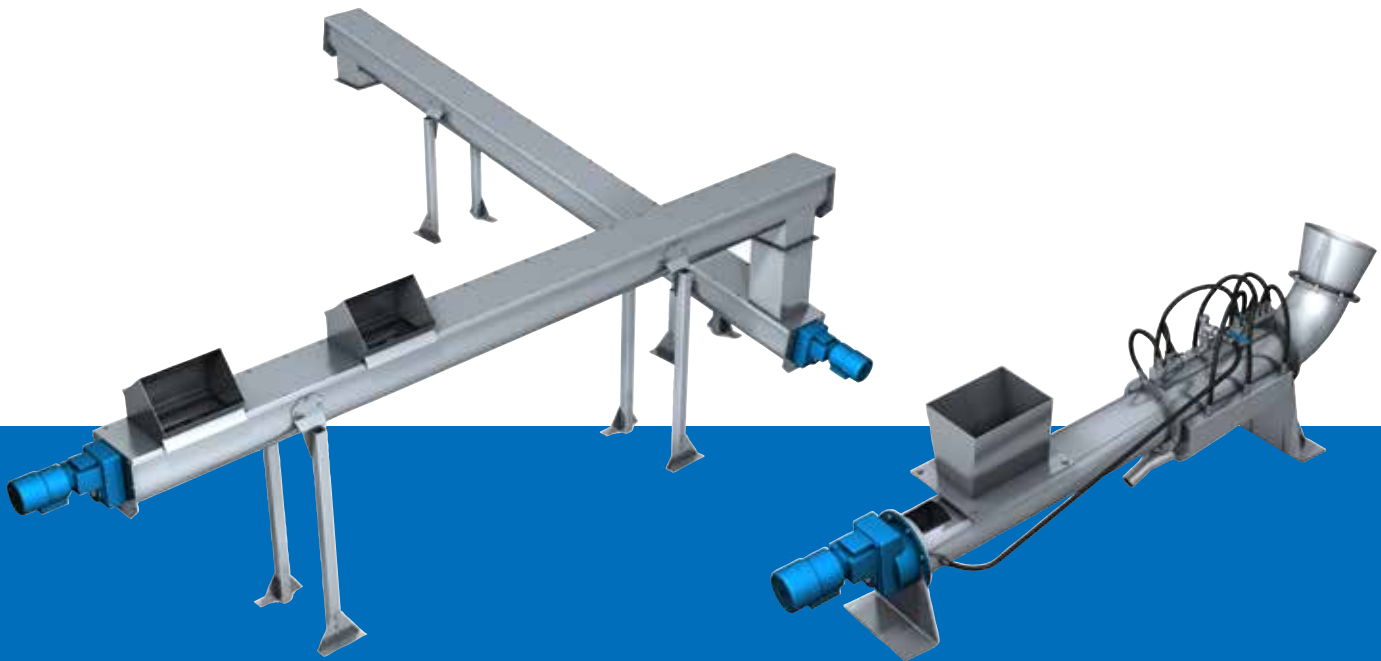


# Transport and Handling Systems

Equipment for handling  
screenings, sand and  
sludge



**ConVey**Screw Conveyor  
**ConWashpress** Wash Press  
**ConDrain** Screening Press  
**Container Trolley**  
**Lime/Sludge Mixer**

# Transport and Handling Systems

## Comprehensive line for handling screenings, sand and sludge

Since starting operations in 1972, Läckeby Products has designed and manufactured shaftless screw conveyors as separate units for large complex systems. Transport and handling systems consist of a wide and well-documented product range. Shaftless screw conveyors handle complex materials such as screenings, sand and sludge optimally without the risk of clogging. Products from Läckeby Products ensure that the plant meets applicable requirements for a long time.

### Läckeby Products line for transport and handling systems includes:

- ConVey screw conveyor** - optimal conveyor system
- ConWashpress wash press** - combined the screening wash and press
- ConDrain screening press** - dewatering and compaction of screenings
- Container trolley** - adapted for standard containers
- Lime/Sludge mixer** - optimal mixing of lime in sludge

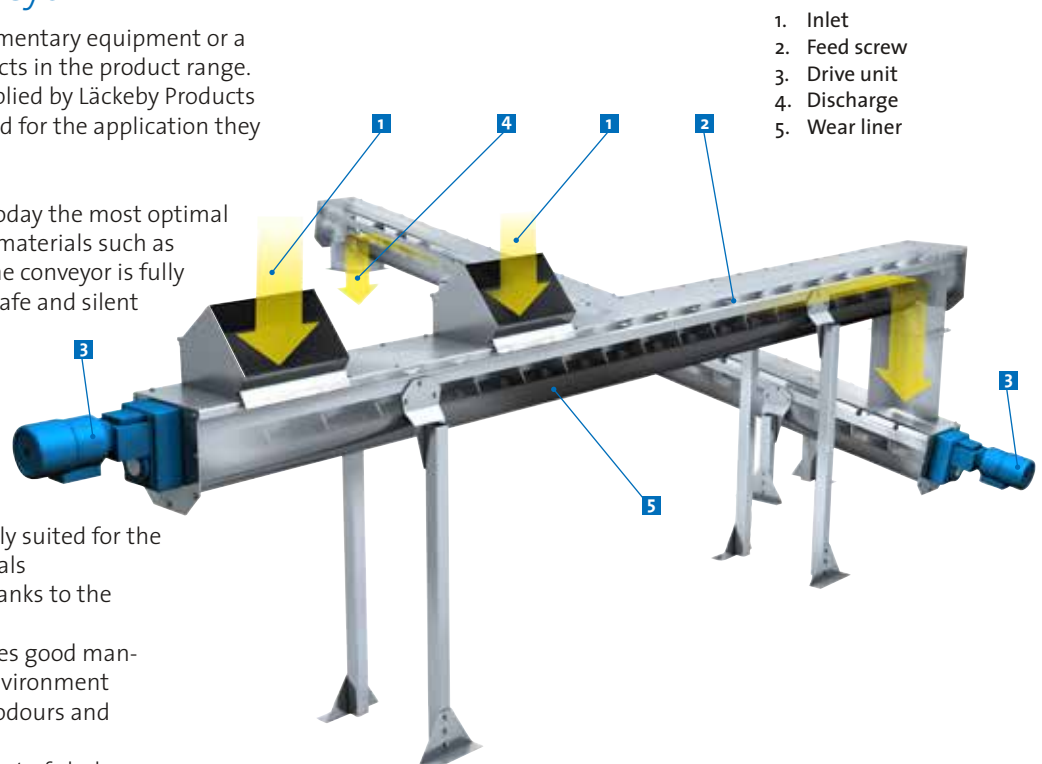
### ConVey Screw conveyor

The conveyors are often supplementary equipment or a component part of other products in the product range. This means that conveyors supplied by Läckeby Products are always tailored and designed for the application they are to work in.

Shaftless screw conveyors are today the most optimal solution for conveying difficult materials such as screenings, sand, sludge, etc. The conveyor is fully enclosed, which also makes it safe and silent in a clean environment.

#### Benefits of ConVey

- The shaftless design is ideally suited for the transport of difficult materials
- Minimal risk of clogging thanks to the shaftless spiral
- The enclosed system provides good management from a working environment standpoint with respect to odours and safety.
- Available for vertical transport of sludge and screenings
- Low operating and maintenance cost



## ConWashpress Wash Press

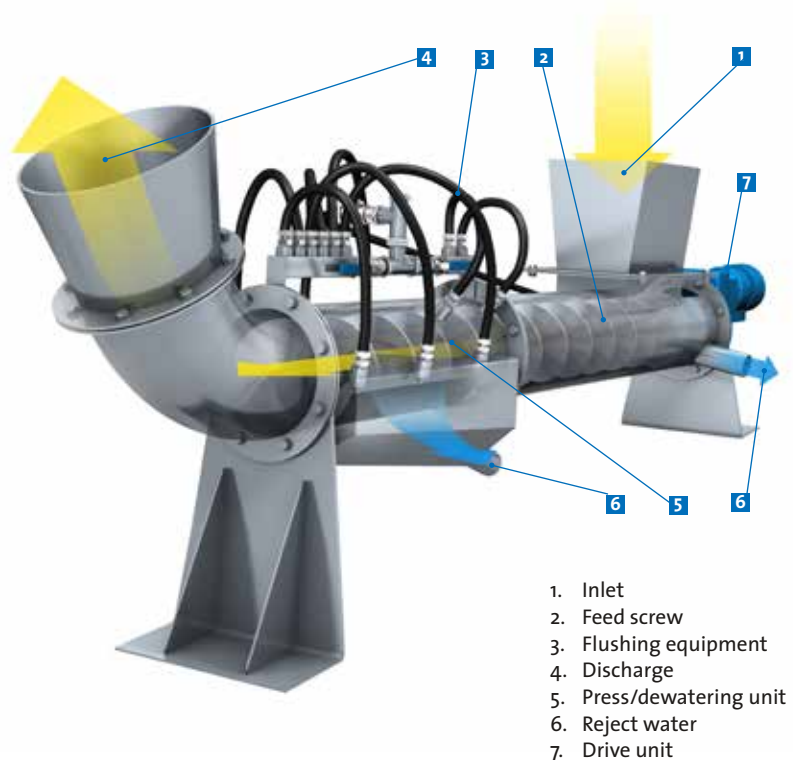
ConWashpress is a combined screenings wash and press that washes and presses screenings from e.g. a fine screen or sieve. ConWashPress is manufactured in three standard sizes for different capacity requirements.

ConWashpress can be equipped with a control system for increased efficiency of the wash and dewatering processes. The system reduces water consumption and operating times, and in doing so increases the service life.

ConWashpress is supplied in three different sizes in screening capacities of 0.3 - 2.0 m<sup>3</sup>/h with a DM content of 5-10%. As the screening composition varies, the expected outgoing DM-content can lie in the interval 25-45%.

### Benefits of ConWashpress

- Basic and effective design with low investment cost
- Made of stainless steel
- Few moving parts
- Few wear parts
- Easy maintenance with removable press zone for cleaning
- Effective dewatering with DM-content up to 45%
- High volume reduction of dewatered screenings, about 2-4 times
- Carbon-rich reject water returned to the cleaning process



1. Inlet
2. Feed screw
3. Flushing equipment
4. Discharge
5. Press/dewatering unit
6. Reject water
7. Drive unit

## ConDrain Screening Press

ConDrain is an excellent supplement to the screw conveyor ConVey. It dewateres and compacts screenings effectively. The volume reduction may amount to 75% depending on the nature of the material.

Many installations in operation at municipal water and wastewater treatment plants and in industry confirm its reliability.

A screw conveyor with a dewatering unit in combination with Läckeby Products's different types of screens gives optimal handling of the screening.

### Benefits of ConDrain

- Effective dewatering
- Good references and operating experience
- Provides low handling costs
- Low investment cost

## Container Trolley

The container trolley is adapted for standard containers. Our line includes trolleys for transverse containers and swivel bases for containers.

The design is very robust to withstand the heavy loads that may occur. The axles are equipped with well-dimensioned ball bearings and the container trolley is fitted with lugs in its corners to guide the container.

The container trolley is available with or without motor drive. In cases where container trolleys are delivered without a drive unit, it can be equipped with a tow bar for connection to the container truck.

As standard the container trolley is delivered to run on rails, but it can also be supplied to run directly on concrete floors as its wheels are fitted with polyurethane rubber coated steel wheels, depending on needs and requirements.

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## Lime/Sludge Mixer

The lime/sludge mixer is designed for mixing lime with typical municipal sewage sludge. The Läckeby Products solution provides a reliable mixture and gives uniform and stabilised sludge.

The outgoing sludge/lime mixture can, thanks to its energy content, ideally be incinerated, landfilled or used as fertilizer for agricultural purposes.



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