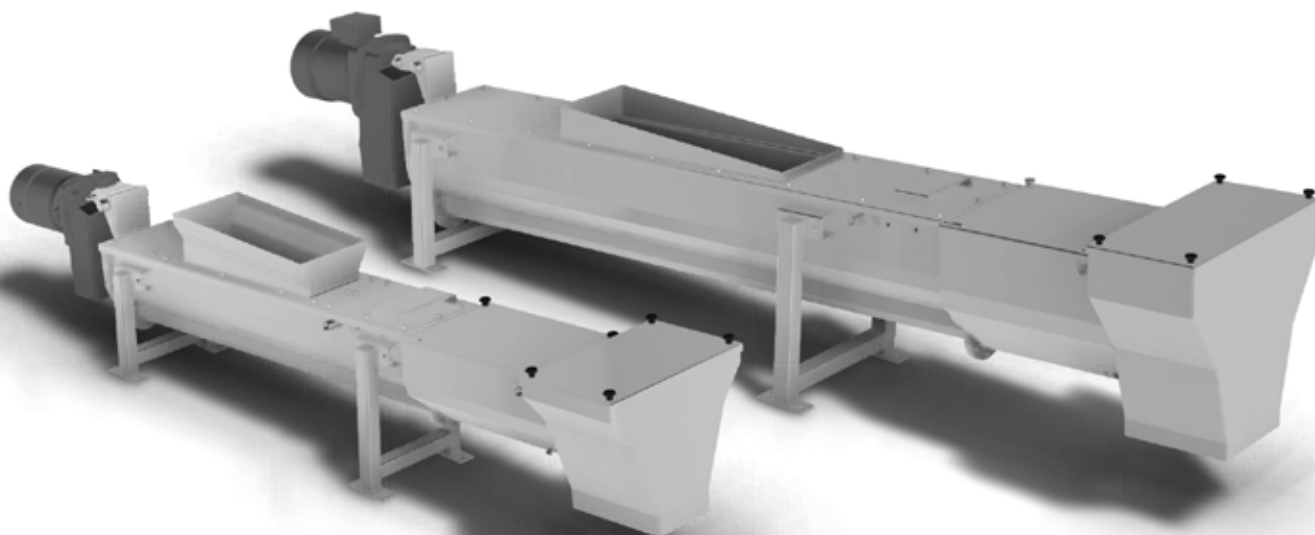


WASH SCREW PRESS



Wash screw presses from Läckeby Products are developed and dimensioned for heavy duty and efficient dewatering. The design is based on long experience and both minimises and simplifies maintenance work.

Function

The company's screw presses are based on a screw conveyor, which transports the material into the press unit. Material is washed during transport and dewatered in the unit's perforated dewatering zone. A plug of dewatered material is formed at the outlet end due to the resistance created by three counter-force plates which is the key to reach the very high amount of dry substance.

Technical features

- New screenings washing system
- New press pipe cleaning system
- New through design
- New spiral design
- New press system - Higher dry solids
- Secure operation
- Robust design
- Simple inspection via a hatch in the press unit

Process benefits

- Enhances efficiency of dewatering and transport, and minimises wear
- Prolongs service life
- Makes flushing and maintenance easier
- Minimises risk of clogging

Applications

- Paper and pulp
- Slaughterhouse waste
- Municipal and industrial wastewater screenings
- Fruit and vegetable waste
- Brewery waste

Design

The press unit is equipped with an inspection hatch to make maintenance simpler and enable inspection of the press pipe. As standard, screw presses are made in stainless steel (1.4301) or (1.4436) with LDX wear plates. The new design reduces the friction between the spiral and the wear plates to a minimum by using the compressed waste as a "bearing" which lifts the spiral to a center position. Spirals are made of black material (S355J0) as standard, but are also available in stainless steel.

Design features

Wash screw press, model		WSP-170	WSP-260
Capacity	max m ³ /h	2	6
Dry solids	Max %DS	55	55
Length	mm	2520	3450
Width	mm	460	620
Height	mm	585	790
Transport volume	m ³	0,7	1,7
Gross weight	kg	200	450
Net weight	kg	170	400
Working load	kg	230	500
Flush water consumption (1min/hour)	l/min	75	100
Wash water consumption	l/min	13,7	13,7
Drive motor - rated power	kW	1,1	4,0



A WSP-260 press connected to a RotoSieve® RS-416 Drum screen gives an optimal separation of grit.



The grit from a WSP press contains higher amount of dry solids - over 50 %.

References

Läckeby Products has more than 40 years' experience of designing and producing shaftless screw conveyors, and has supplied more than 1.000 screw conveyors and screw presses to both industrial and municipal plants worldwide.

Läckeby Products develops, designs and manufactures screw presses. Coordinated expertise and production ensures high quality service and delivery. Läckeby Products can also participate in the planning stage and take on responsibility for everything from dimensioning to installation. Through our involvement at the planning stage, we can offer a total process guarantee.

In the United States & Canada please contact:



CleanTek Water Solutions
7984 University Avenue NE
Fridley, MN 55432
Phone: 866.929.7773
info@cleantekwater.com

www.cleantekwater.com

LÄCKEBY PRODUCTS

Kalmar Torsåsgatan 5E, SE 392 39 Kalmar, Sweden
Phone +46 480-381 00
Fax +46 480-606 63

Kungälv Bultgatan 28, SE 442 40 Kungälv, Sweden
Phone +46 303-24 64 80
Fax +46 303-928 90

Lund Box 1146, SE 221 05 Lund, Sweden
Phone +46 46-19 19 00

www.lackebyproducts.com