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VODATECH
WASTE WATER TECHNOLOGY

SCREW PRESS & SCREW CONVEYOR
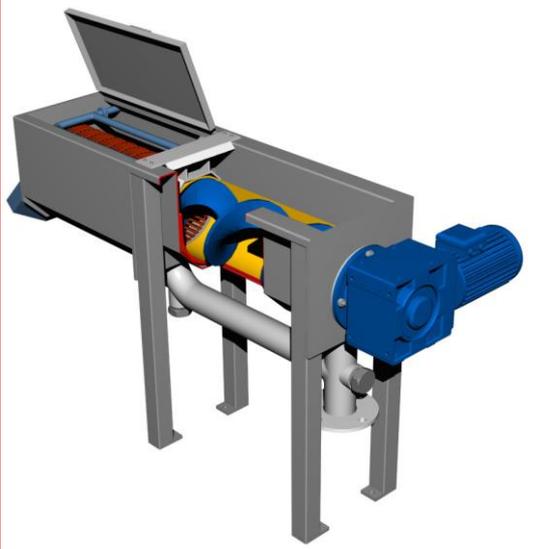
Screw presses SL are used for dewatering of the screenings from the rotary or drum screen.

Screw conveyors SD are used primarily to transport the screenings from the rotary or drum screens.

Use The screw conveyor or press is a facility designed for transporting and compacting of screenings trapped by a rotary screen or a drum screen. It is used mainly in waste water treatment plants in food industry, municipal wastewater treatment, paper and pulp industry, brewery etc. It is also possible to use the screw conveyor for transport of various materials.
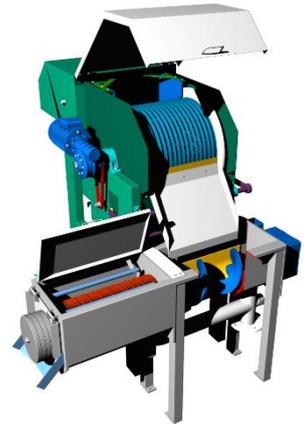
Principle of working The screenings fall through the feeder into the rotating screw. The screw rotation in the trough is assured by the electrical gear box. The screenings move through the screw from the feeder to the outlet from the screw. The screw conveyor can be inclined up to the angle of 30°.

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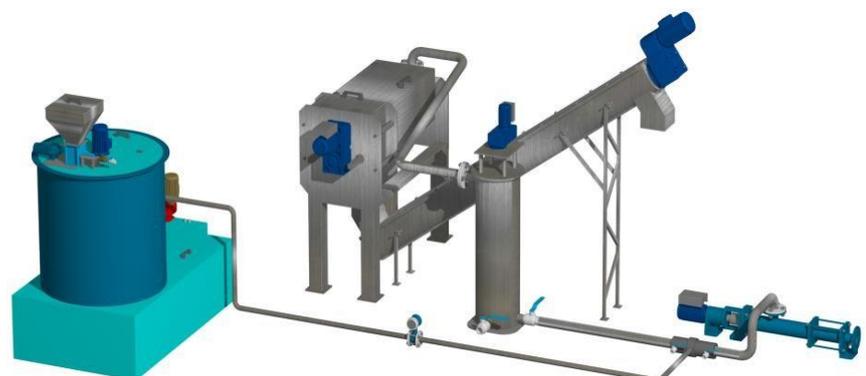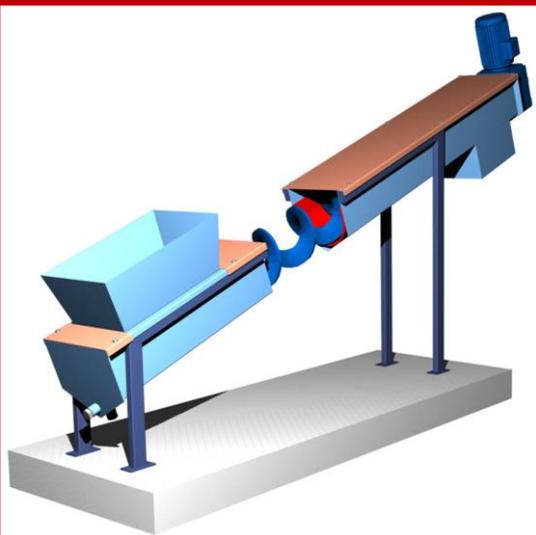
SCREW CONVEYORS – Technical parameters							
TYPE	Convoyed quantity (m³/h)	Thickness of the plastic trough (mm)	Diameter of the screw	Profile of the screw (mm)	Basic dimensions mm		
					A	B	H
SD 200	1,5	8	200	70x15	236	303	258
SD 250	3	8	250	80x15	286	353	308
SD 300	6	10	300	100x15	340	407	364
SD 350	8	10	350	100x15	390	457	418

SCREW PRESSES – Technical parameters						
TYPE	Compacted quantity (m³/h)	Thickness of the plastic trough (mm)	Diameter of the screw	Profile of the screw (mm)	Basic dimensions mm	
					L2	L3
SL 200	1,5	8	200	70x15	600-4080	570
SL 250	3	8	250	80x15	600-4080	670
SL 300	6	10	300	100x15	600-4080	770

The overall output of the particular types of the SL and SD screw presses and conveyors always depends on the specific type and nature of the screenings or conveyed material, which should be always consulted with the manufacturer.

The VODATECH screw presses can be delivered up to 4m of length and the screw conveyors up to 13m of length. The spiral is made of special steel with painting and the screw press as standard in stainless steel AISI 304 or AISI 316.