

# Screw Press

Dewatering Systems



# Fully Automated Dewatering System

## Your Partner in Solids Processing

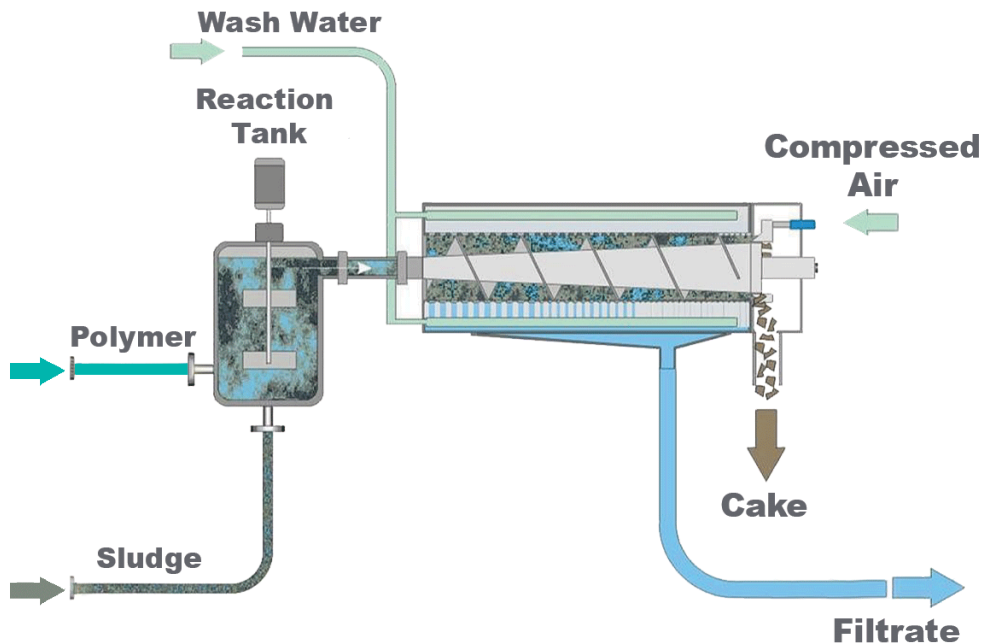
Schwing Bioset's expertise with biosolids dewatering, storage, conveyance, and nutrient removal make us the ideal partner to provide your complete solids handling system. Rely on our 30+ years of experience to get your project done right.

## Screw Press Dewatering

Our fully automated screw press dewatering systems are for use in water, wastewater, mining, and industrial applications. With mobile pilot units and the widest range of unit models available, our screw press is the ideal dewatering solution for your application.



## The Features You Want



## Features

- Low speeds and automated control.
- Long lifespan due to slow speeds and robust construction.
- All wetted parts are Stainless Steel.
- Split screen casing to simplify screw removal and minimize footprint requirements.
- Sealing lip and screen can be replaced with screw in place.
- Dewatering operations do not need to be suspended during cleaning. Cleaning cycle is typically once per day for 3 – 5 minutes.
- Unattended operation requires no additional personnel or specialized training.

# Engineering That Matters

## Features

- Dewatering results similar to high speed centrifuges.
- Fifteen models available to handle the widest range of dewatering needs.
- Slow operating speed ensures no vibration loads.
- Enclosed system provides odor containment.
- Low power requirements.
- Low / intermittent wash-water requirements.
- Machined screens provide tighter tolerance allowing superior performance over other commercially available units.
- High-performance screen design with largest open area ensuring maximum throughput in smallest footprint.



## Performance You Can Count On

Screw Press									Reaction Tank			Washwater	
Model	Capacity Aerobic 2.5% DS (dry kg/hr)	Capacity Anaerobic 3.5% DS (dry kg/hr)	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	Power (kW)	Model	Volume (l)	Power (kW)	Washwater (l/cycle)	Washwater Pump (m <sup>3</sup> /hr @ 4-6 bar)	
FSP 302	59	84	2720	820	1070	780	0.55	RT 30	200	0.37	38	1.1	
FSP 403	127	161	3830	850	1220	1450	1.1	RT 40	400	0.37	114	3.4	
FSP 502	189	205	4170	1000	1420	2200	1.1	RT 50	580	0.55	114	3.4	
FSP 503	208	251	4980	1080	1420	2360	2.2				151	4.5	
FSP 602	291	410	4790	1170	1530	2870	2.2	RT 70	850	1.1	151	4.5	
FSP 603	334	473	5710	1170	1530	3300	2.2				227	4.5	
FSP 703	463	620	6470	1440	1840	5280	3.7				265	6.8	
FSP 803	625	854	7100	1530	1980	6800	5.5	RT 80	1300	1.5	322	9.1	
FSP 903	778	1060	7720	1630	2080	8600	5.5	RT 100	1900	1.5	398	10.2	
FSP 1002	902	1227	7400	1730	2190	8700	7.5				398	10.2	
FSP 1003	940	1274	8300	1730	2190	10,000	7.5				492	12.5	
FSP 1102	1160	1546	7710	1880	2290	9800	7.5	RT 110	2500	2.2	492	12.5	
FSP 1103	1370	1823	9100	1880	2290	12,500	7.5				587	14.8	
FSP 1202	1317	1775	8300	2050	2700	13,000	9.2	RT 120	3500	3.7	587	14.8	
FSP 1203	1475	1990	10100	2050	2700	15,800	9.2				644	17.0	

## Schwing Bioset Solutions for Water and Wastewater



### **Piston Pumps for Solids**

High-pressure positive displacement piston pumps with lowest life cycle costs to efficiently transport biosolids through pipelines.

### **Class A Bioset Process**

Advanced alkaline stabilization technology that is totally enclosed and PFRP approved to operate at 55C.

### **Screw Press Dewatering**

High-performance dewatering with low energy and maintenance requirements and the widest range of model sizes available.

### **Container Wagons**

Evenly load containers with ground accessible service points, minimal maintenance requirements, and full automation.

### **Membrane Bioreactors (MBRs)**

Microfiltration systems with end-free hollow fiber membranes.

### **Sliding Frames & Storage Silos**

Truck receiving, truck loading, or intermediate storage of dewatered solids with lowest cost of ownership.

### **Class A Fluid Bed Drying**

Thermal drying technology operating under inert conditions with high thermal efficiencies and low maintenance requirements.

### **Phosphorus Removal / Struvite Recovery**

Remove nutrients from wastewater, improve dewatering, reduce scaling, and create a struvite end product.

### **Residuals Management**

Offered through a partnership with our resource recovery company to transport, market, and beneficially reuse residuals.

## Contact Information

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