

Screw Press

Dewatering Systems



Fully Automated Dewatering System

Your Partner in Solids Processing

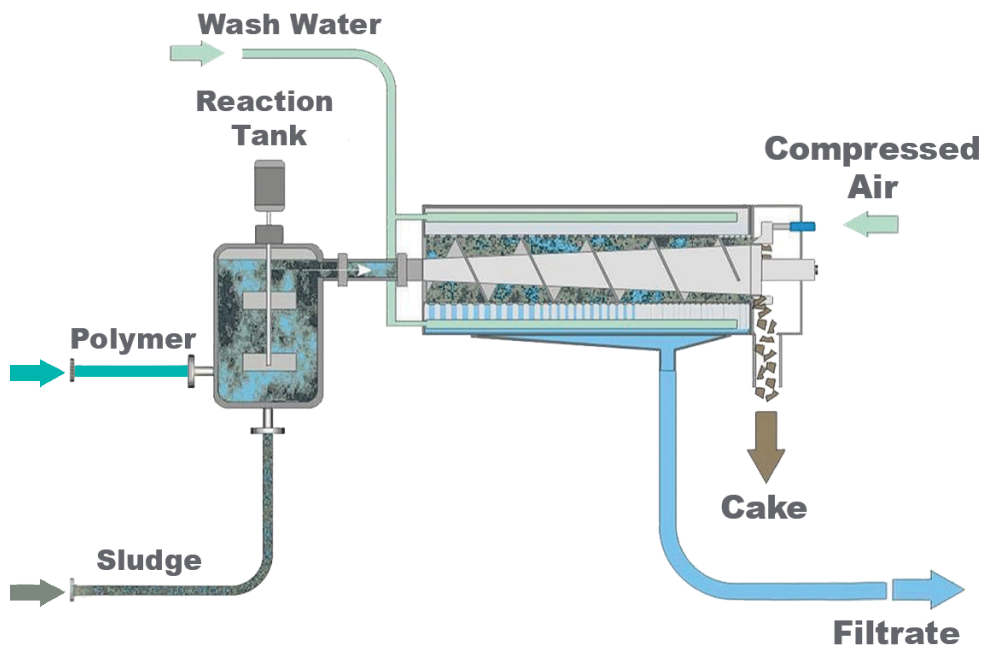
Schwing Bioset's expertise with biosolids dewatering, storage, conveyance, and nutrient removal make us the ideal partner to provide your complete solids handling system. Rely on our 30+ years of experience to get your project done right.

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 lb/hr)	Capacity Anaerobic 3.5% DS (dry lb/hr)	Length (in)	Width (in)	Height (in)	Weight (lb)	Power (hp)	Model	Volume (gal)	Power (hp)	Washwater (gal/cycle)	Washwater Pump (gpm @ 60-90 psi)
FSP 302	130	185	107	32	42	1,720	0.74	RT 30	53	0.50	10	5
FSP 403	280	355	151	33	48	3,200	1.5	RT 40	106	0.50	30	15
FSP 502	415	450	164	39	56	4,850	1.5	RT 50	153	0.74	30	15
FSP 503	457	551	196	43	56	5,200	3.0				40	20
FSP 602	641	903	189	46	60	6,330	3.0	RT 70	225	1.5	40	20
FSP 603	735	1040	225	46	60	7,275	3.0				60	20
FSP 703	1019	1365	255	57	72	11,640	5.0				70	30
FSP 803	1376	1880	279	60	78	14,990	7.4	RT 80	343	2.0	85	40
FSP 903	1712	2331	304	64	82	18,960	7.4	RT 100	502	2.0	105	45
FSP 1002	1985	2699	291	68	86	19,180	10				105	45
FSP 1003	2069	2804	304	68	86	22,045	10				130	55
FSP 1102	2552	3402	303	74	90	21,605	10	RT 110	660	3.0	130	55
FSP 1103	3014	4011	358	74	90	27,560	10				155	65
FSP 1202	2898	3906	327	81	106	28,660	12.3	RT 120	925	5.0	155	65
FSP 1203	3245	4379	398	81	106	34,830	12.3				170	75

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 55°C.

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.

Screw Conveyors

Shafted, shaftless, and ribbon flight offer a convenient means to collect and transport biosolids.

Contact Information

Wisconsin:

350 SMC Drive
Somerset, WI 54025
TEL 715-247-3433
FAX 715-247-3438

www.schwingbioset.com

Connecticut:

TEL 203-744-2100

Florida:

TEL 239-842-6400



Printed on Recycled Paper