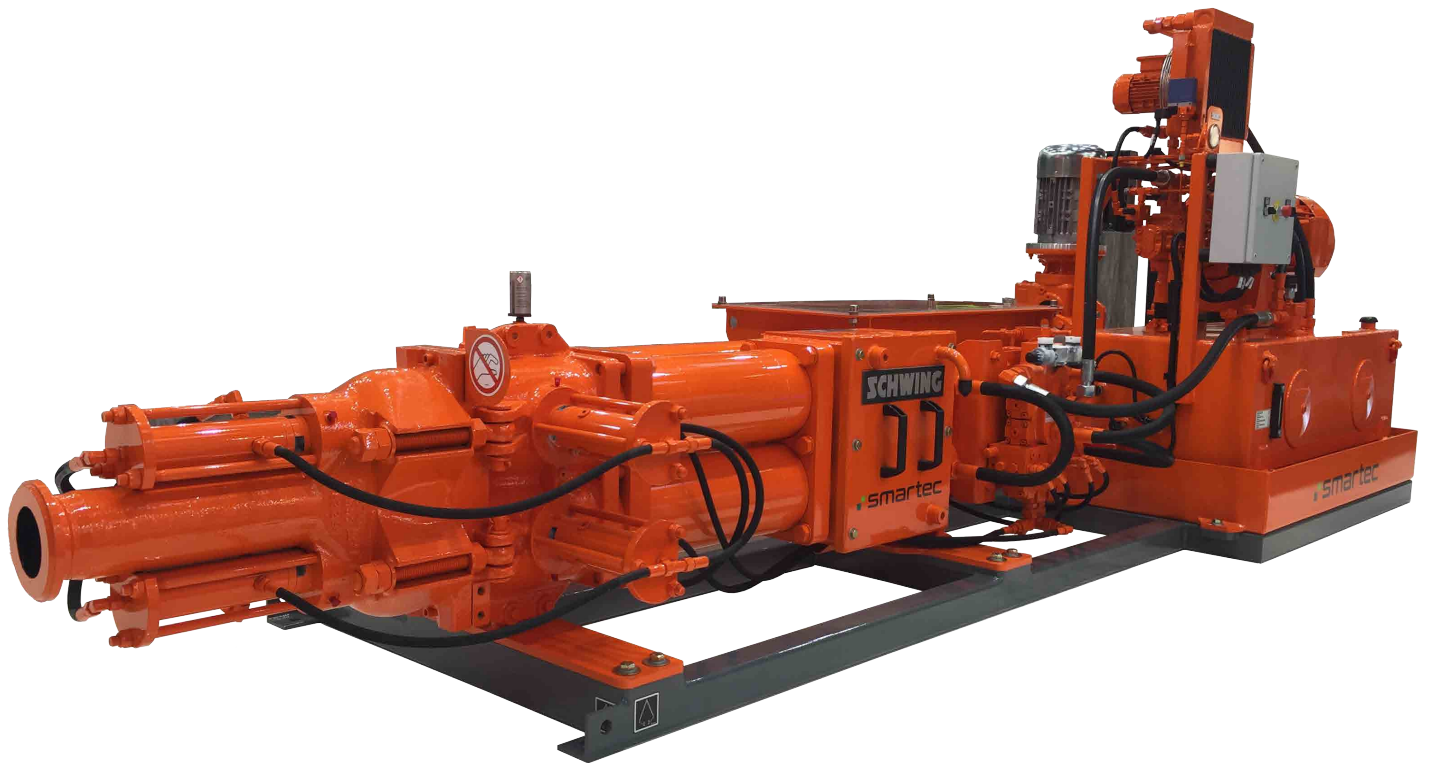


Piston Pump

Smartec Pump System



smartec



Smartec Sludge Pump System from Schwing Bioset

The Smart Alternative

The **Smartec** line of piston pumps by Schwing Bioset provides the lowest life cycle costs compared to other pumps with attractive pricing and minimal operating expense. Ideally suited for sewage sludges, organic waste, industrial, and kitchen waste, **Smartec** pumps are designed for Plant Managers seeking to lower overall expenses and increase overall efficiencies in their plants. Offering high performance, exceptional reliability, modular design, and standardized control packages allows for stream-lined installation and operation not available with progressive cavity or rotary lobe style pumps.

Technology	Progressive Cavity	Smartec
		
Initial Capital	\$	\$\$
Maintenance	\$\$\$\$	\$
Life Cycle	\$\$\$	\$

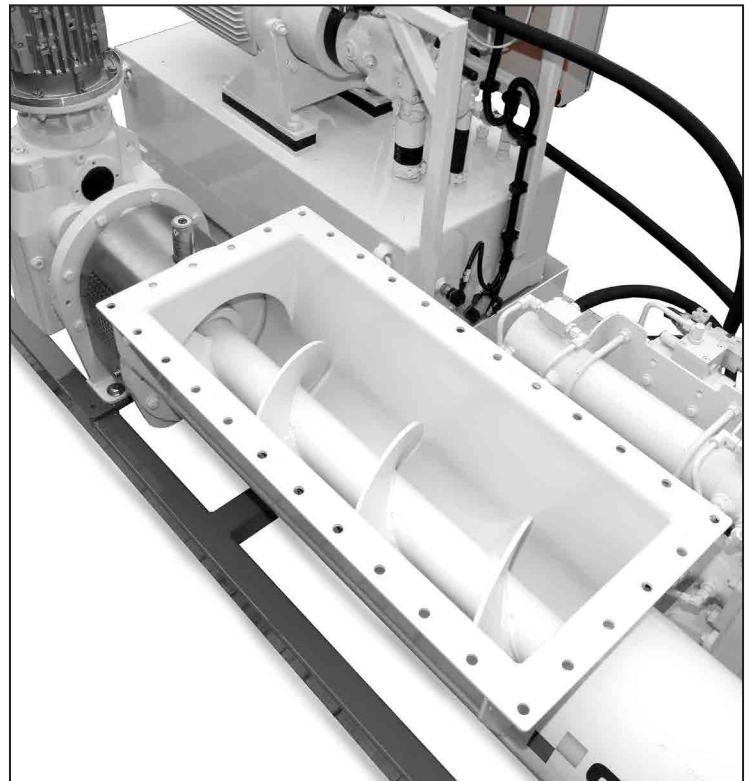
The Features You Want

Optimum Modularity. Your Pump, Your Way.

- ① Single-screw or twin-screw feed systems can be provided with either hydraulic or electric drives. For slurries that are free-flowing, no screw feed is necessary.
- ① Side or top material feed configurations that will accommodate any plant's spatial constraints.
- ① Factory skid mounting available for plug-and-play installation and operation.
- ① Control module does allow for remote and local monitoring and control.

Easy to Maintain

The long life and highly reliable **Smartec** sludge pumps reduce maintenance to a minimum. Their easy access design ensures short service times and a quick return to pumping duty. Spare part availability at our factory in Somerset, WI, along with technical assistance make certain that the aftermarket support you need is available when you need it.



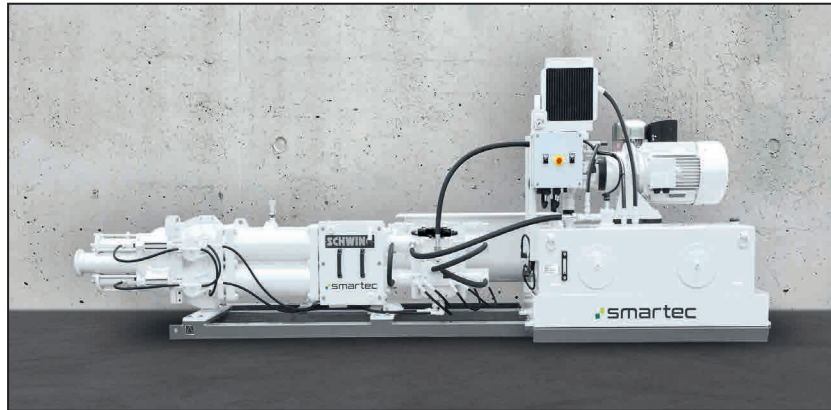
Engineering That Matters

Maximum Reliability

Schwing Bioset sludge pumps prove their reliability all over the world on a daily basis in many different industrial sectors. Designed for a service life of over 20 years, it is not unusual for pump performance of 8,000 hours without major repairs. Excellent reliability provides a high level of plant up-time to increase capacity and efficiency, all for the lowest cost of ownership.

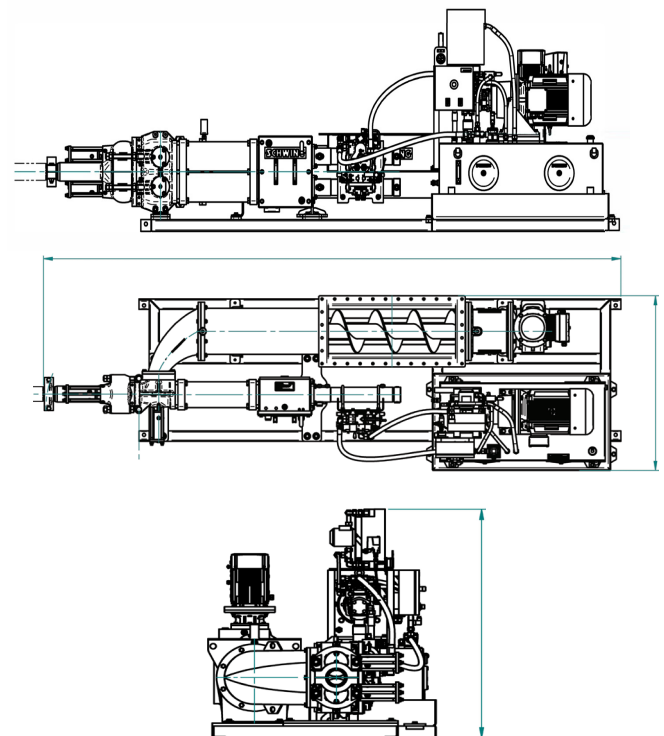
Robust Efficiency

The **Smartec** sludge pumps easily convey high-viscosity sludges with high solids content. Intelligent design and efficient production meet peak efficiency and extreme reliability in this robust skid mounted all-in-one pumping package.



Technical Data

Performance	Specifications
Output	4.5 - 53 gpm
Continuous Operating Pressure	580 psi
Design Pressure Max.	1,740 psi
Driving Power	40 hp
Pump Kit	
Delivery Cylinder	7 x 20 in
Suction Valve Opening	5 in
Pressure Valve Opening	4 in
Pressure Outlet	4 in
Grain Size Max.	0.75 in
Dimensions	
Length	180 in
Width	53 in
Height	60 in
Machine Weight	6,050 lb



Drawings are not to scale.

A Name You Can Trust

Piston Pumps



Schwing Bioset, Inc. is the recognized leader in sludge pump technology. SBI units pump dewatered biosolids from Presses and Centrifuges with dry solids content up to 55%. These versatile pumps were born in the concrete industry, but have been used successfully in wastewater plants since the mid 1980's.

Fluid Bed Dryer



Schwing Bioset's fluid bed dryer offers a thermally efficient means of producing dust-free Class A biosolids. The automated system allows for unattended operation, and produces a very simple product to store, transport, and apply.

Screw Press Dewatering



Schwing Bioset's Screw Press provides excellent dewatering performance with a wide range of model sizes that are virtually maintenance free, and can be run unattended.

Sliding Frame



Sliding frame systems, whether used as truck receiving, truck loading, or as intermediate storage, offer a flexible means of storing dewatered solids while eliminating bridging. The flexible design allows for various process requirements.

Nutrient Recovery & Struvite Harvesting



Schwing Bioset's nutrient removal system recovers Ortho-Phosphate and Ammonia Nitrogen from wastewater as struvite, reducing phosphorus loads, preventing plant fouling, and creating a valuable end product.

Bioset Process



Schwing Bioset offers the Bioset lime stabilization process, which is approved to EPA's 503 regulations. The Bioset process provides municipalities a low cost Class A system that is affordable to operate and easy to maintain.

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