



- ***Sludge dewatering***
- ***Wastewater separation***
- ***Polymer dosing***



Machinery and turnkey system solutions

focusing on performance and energy optimisation



HJORTKÆR develop and sell machinery and turnkey system solutions for sludge dewatering and wastewater separation.

When we cooperate with our customers on defining the optimum process solution, our strongest assets are a year-long experience, a focus on water-based processing solutions, and a strong and diverse product range.

We attach importance to operational reliability and optimisation of running operating and energy costs.



Our **RDS Rotary Drum Screens** are solid, thoroughly tested, and energy-efficient. They are used for wastewater separation in the food and processing industry and for sludge dewatering at wastewater treatment plants.

The separator is supplied in several sizes and versions, either as an autonomous unit or as a part of a turnkey system solution.

The range includes a number of standard components which make it easier to design turnkey solutions based on the building block principle, e.g. recirculated wastewater installations, mobile screen washing unit, tubular and tank reactors, operator platforms, and pump solutions.



The **IEA PRESS Screw Presses** are the market's leading, most solid, and thoroughly tested sludge dewatering presses, which have been delivered all over the world since 1991.

The technology is used primarily for dewatering of municipal sludge, pulp, and biomass.

The IEA Screw Presses have a unique design employing, among other things, a very strong segmented screen to ensure a long service life and simple servicing. The separate washing boom ensures efficient interval hosing 24/7 without any downtime.

Our test vehicle conducts on-site mobile testing and can be equipped with pre-dewatering, industrial wastewater separation, and sludge dewatering systems. Testing ensures a solid contractual basis for both parties.





PolyUnit is the intelligent solution for exact and reliable dosing and mixing of liquid polymers. The dosage unit is covered by a strong, stainless casing with easy access for servicing and inspection.

Our 2 models, PB10 and PB30, meet the dosing needs of all kinds of systems, from very small processing facilities to large municipal installations.

The PolyUnit is prepared for connection for external activation, analogue control of polymer amounts, and monitoring of water and polymer flow.



The polymer emulsion in the PolyUnit is mixed in a magnetic drive pump. Even if the process does not include a container for ready produce, operating experience generally indicates that polymer consumption can be reduced compared to the use of mixing units with a more traditional design.

Since the introduction of PB10 in 2008 and PB30 later on, the PolyUnit has become the preferred polymer mixing unit in a number of industrial and wastewater companies.

Our dry polymer dosage units can also be supplied in versions for both dry and wet polymers if the client wants to have the opportunity of using both types or as a backup system.

A characteristic for all our dry polymer units is the quality of design and component selection and a product range that meets both small and large-scale needs.

A well-arranged PLC control unit with a front panel combined with status lamps for the unit's main function takes care of the operation and monitoring of the unit.



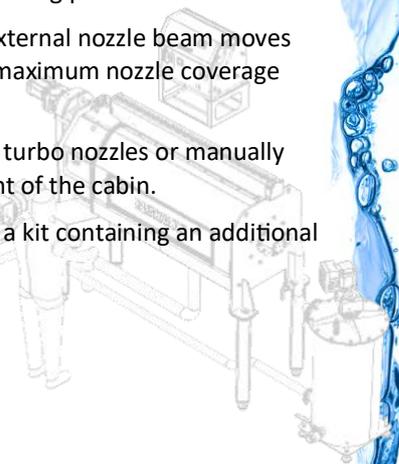
The HM pump wash cabin solves the problem of poor occupational safety and health and sufficiently effective washing of pumps and machine parts in the wastewater industry prior to inspection and servicing.

The pump wash cabin has a very flexible design and includes several nozzle systems available for free selection during the washing process.

The washing piece rotates horizontally and the external nozzle beam moves vertically during the process. The setup ensures maximum nozzle coverage and uniform results.

The pump can be washed either with the built-in turbo nozzles or manually with a lance through a special opening in the front of the cabin.

For washing of small machine parts we also offer a kit containing an additional nozzle boom and stainless steel wire basket.



Examples of supplied system solutions



Sludge dewatering with IEA screw press - Solrødgaard WWTP, Hillerød



Wastewater separation - Skövde Slakteri, Sverige



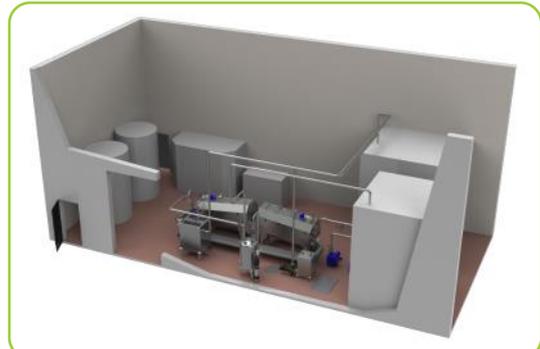
Mobile sludge dewatering with IEA screw press - Assens Forsyning



Sludge thickening - Solrødgaard WWTP, Hillerød



Sludge dewatering with IEA screw press - Växjö, Sverige



Wastewater separation - C&D Foods, Esbjerg



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