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HUBER Solutions for Sludge Dewatering

Mechanical sludge dewatering serves for further reduction of sludge volume and mass by removal of sludge water from interstices between sludge particles. A more or less firm sludge cake is produced.

Prior to its dewatering, fed sludge is first flocculated by addition of polymers. The choice of polymer and its dosage as well as rapid and intensive mixing are decisive for optimal floc formation and dewatering results.

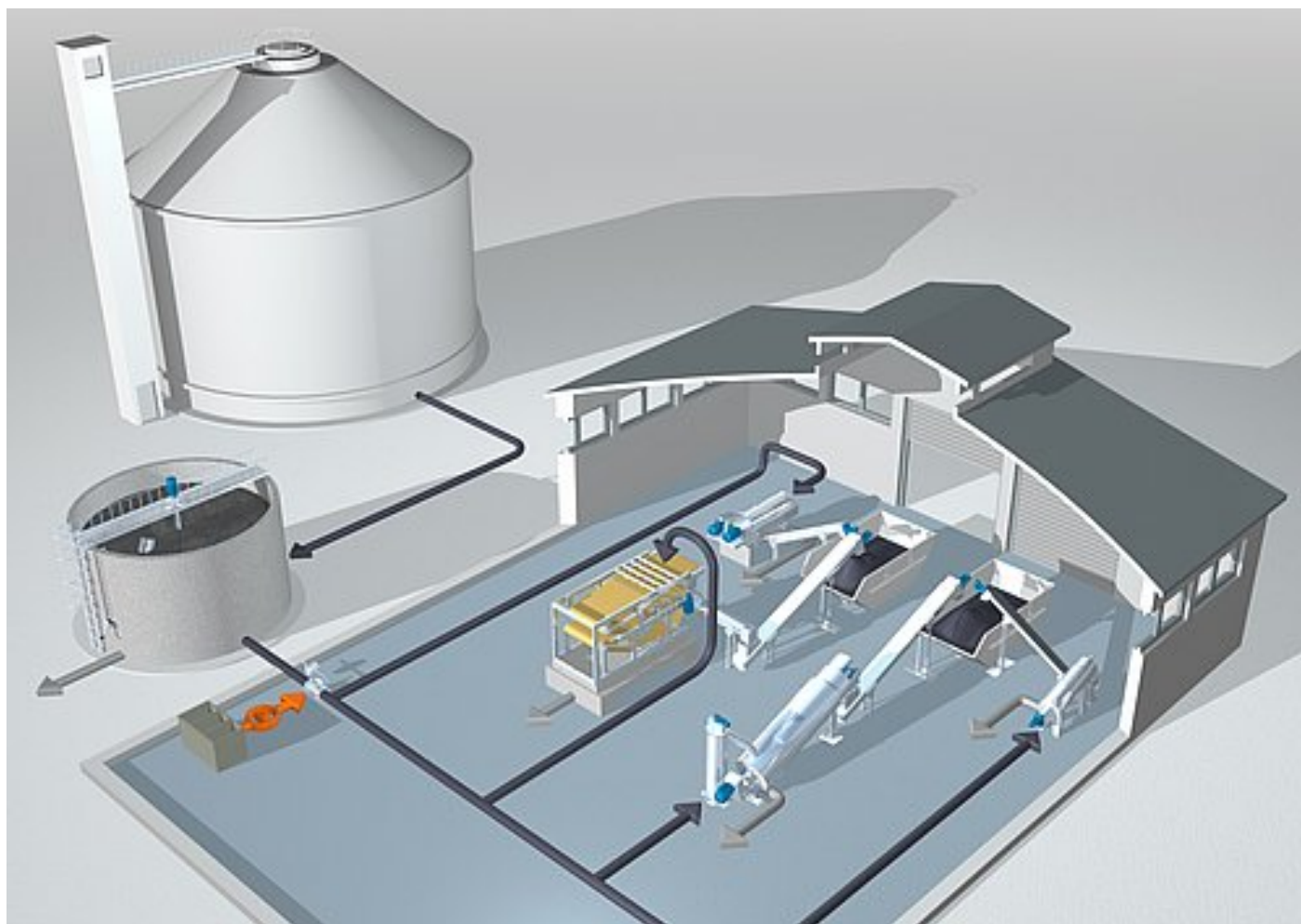
Filtering presses require a sludge that can take pressure and that does not blind the filter medium. Filtering presses are unsusceptible to sand and other mineral solids.

Decanting centrifuges are used if the sludge solids have a considerably higher specific weight than water. However, centrifuges are susceptible to abrasion by sand and other mineral solids.

We supply the following HUBER dewatering machines. They are all made of stainless steel, but differ by their design, size, capacity and performance. We offer the best solution for every application:

- [Small Screw Presses](#)
- [Large Screw Presses](#)
- [Belt Filter Presses](#)

Systems concept



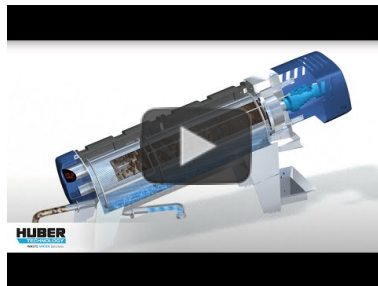
Click on the image to get a detailed, interactive view with additional information and links.

Photos



Animation: HUBER Sludge Dewatering

<https://www.youtube.com/watch?v=2bE1Kb5FApc>



Animation: Function and components of new HUBER Screw Press Q-PRESS® 620, 800

<https://www.youtube.com/watch?v=t1dSGJYTtCk>



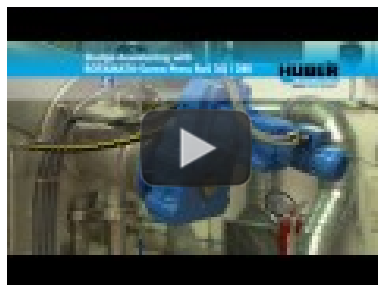
Animation: Function and components of HUBER Screw Press Q-PRESS® 440

https://www.youtube.com/watch?v=n_mnNdQsaCo



Video: HUBER Screw Press Q-PRESS® - here at a municipal WWTP

<https://www.youtube.com/watch?v=5VsPNkbkJyA>



Video HUBER Screw Press Q-PRESS® - here in beverage industry

<https://www.youtube.com/watch?v=T5sOUqy-zxk>

Case Studies

- Up to 80 percent savings: HUBER Screw Press Q-PRESS® minimises electricity costs for sludge dewatering
- HUBER Screw Press Q-PRESS® with world premieres at STP Sargans
- Sludge dewatering in a confectionery at Mondelez, Marlbrook
- Sludge dewatering with the HUBER Screw Press Q-PRESS®
- New TOTEX solution for Sludge Dewatering at Plymouth

- [Dynamic inline mixer for optimized sludge dewatering](#)
- [HUBER's Screw Press Helps Cardston WWTP Make Positive Impact on Community](#)
- [Q-PRESS® – The new HUBER Screw Press](#)
- [Cost-efficient, low wear: HUBER ROTAMAT® Screw Press RoS 3Q in Finland](#)
- [Efficient Sludge Treatment at Small Plants](#)

Products

- [HUBER Screw Press S-PRESS](#)
- [HUBER Screw Press Q-PRESS®](#)
- [HUBER Bogenpress B-PRESS](#)
- [HUBER Screw Conveyor Ro8 / Ro8 T](#)

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