

### Test on side or in lab.

If you or we have doubts about whether our system can handle your job, we will often suggest a lab test or a test drive on your biomass. We have several types of test systems for testing your biomass.

Test systems all built up with self-priming feed pump and can therefore be easily installed, so the test will be as realistic as possible.



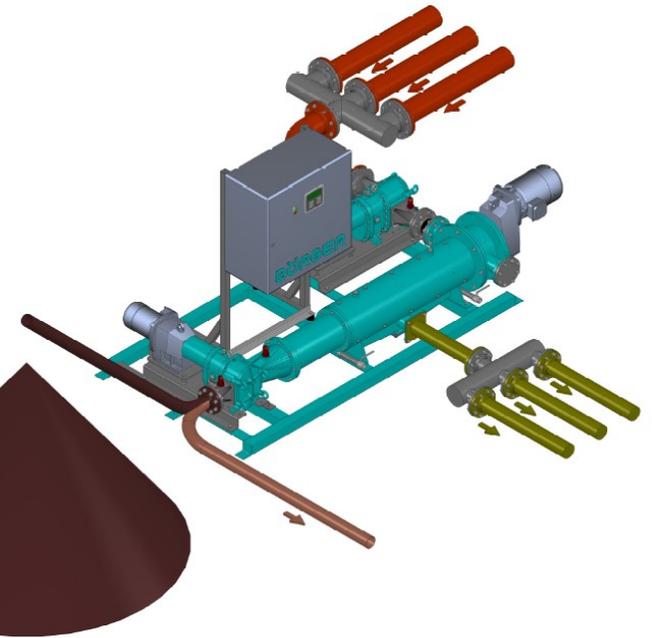
Band Filter test systems with polymer dosing



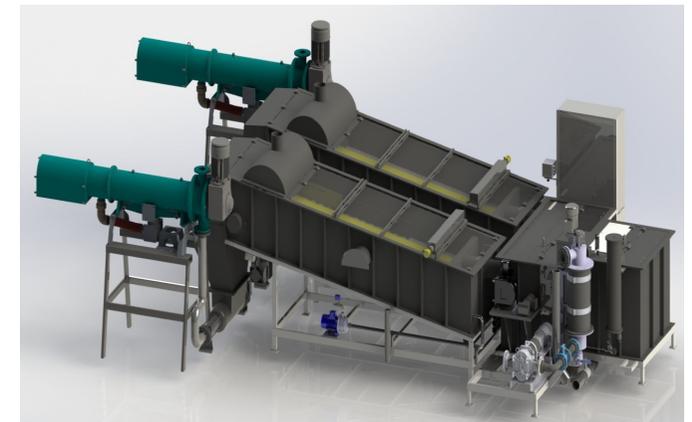
Mobile thickener systems, capacity 40-65 m<sup>3</sup> / h



Börger Bioselect mounted on Växjö Municipality plant for pretreatment of waste. The complete pre-treatment plants are delivered in 2012 by Cellwood Machinery AB



## THICKENING AND SEPARATION OF LIQUID BIOMASS



# AL-2 Band Filter and / or Börger Bioselect? It depends on the job!

**Cir-Tech A / S** offers two types of separation which each have their advantages. What type we would recommend depends on the job. Ask us, and together we will find the optimal solution for your application.

**AL-2 Båndfilter unit** with the addition of polymer is used if it is very important for you to get a clean water phase. The Belt filter can be installed either as a standalone system and treat the entire flow, or can be mounted after the Börger Bioselecten and "only" treat the reject from the screw press. This reduces the flow to the filter band, and the cost of the polymer is reduced.

**Börger Bioselecten** can be variably controlled so that the separated pulp obtains the dry matter that is desired, irrespective of whether the pulp has to be pumpable and are transported either in a pump line or in a tank wagon, or if the pulp need to be very dry, thus reducing the volume to be transported into biogas.

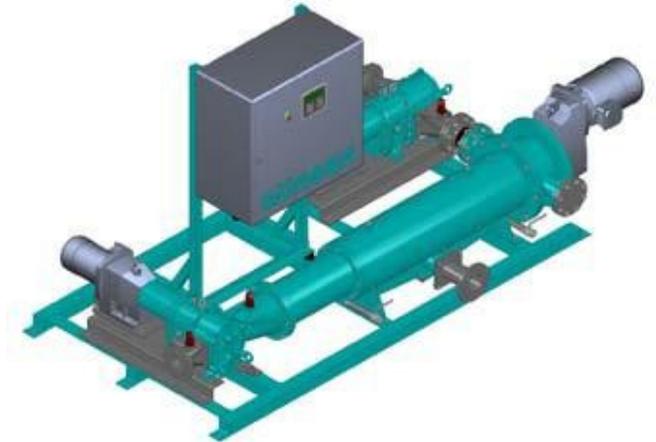
**Börger Bioselect** is characterized by being a closed system where the pulp and reject water is pumped directly in a closed pipe system. Stainless edge filter, patented brush-screw or screw, slowly rotating pumps and screw means that wear and maintenance is reduced to a minimum.



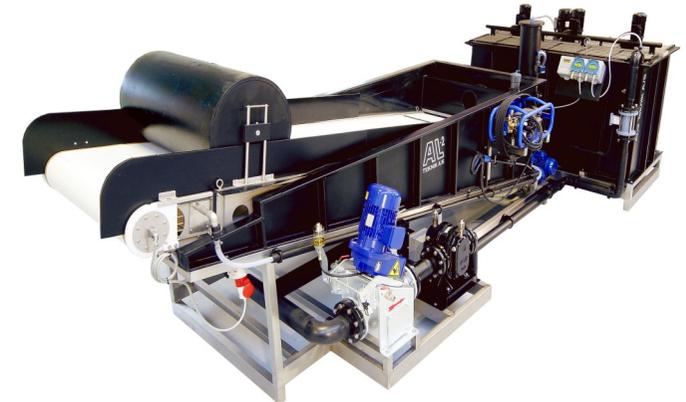
Organic pulp from waste after thickening Börger Bioselect. The pulp is concentrated from 6% ts. respectively to 12, 18 and 25% solids.



Rejekt from the Börger press    Rejekt from AL-2 bandfilter



**Börger Bioselect** is distinguished by a completely closed system, and the high capacity of up to 65 m<sup>3</sup> / h with very low power consumption. The unique construction of "brush-auger" makes a minimum wear is on the stainless steel screw and edge filter.



**AL-2 Båndfilter** built according to customer needs and requirements, the system comes with integrated dosing system for polymer. The system's advantage is simple and clear structure without fast rotating parts, thereby achieving long and continuous operation with minimal wear and maintenance