

IMPROVE YIELD AND QUALITY WITH THE CORE DECANTER CONTROLLER CORE-DEC

CORE

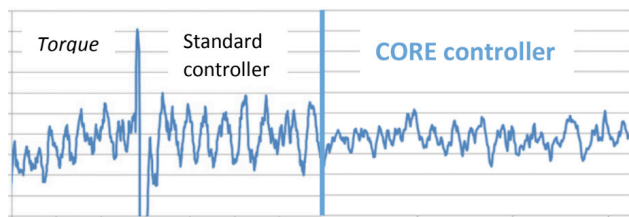
THE CONTROL CHALLENGE

Decanters are used to separate liquids and solids in waste water treatment plants and in a wide range of industrial applications. The dry matter content in the solid phase and the residual dry matter in the liquid phase depend on how well the decanter is controlled.

In the production of animal by-products, decanters are used to separate fat from solids. Here, the fat yield and the residual fat in the solid phase depend on how well the decanter is controlled.

To achieve optimal separation results, the decanter must be kept at a stable and sufficiently high torque.

Loss of stability means bad separation and uncontrolled variations in fat yield as well as in the residual fat in the meal.



CORE-DEC

The CORE-DEC advanced decanter controller utilizes critical information regarding process history to substantially reduce variations in torque/motor load, and thereby improve the separation process, improving yield and quality.

CORE-DEC continuously collects and uses parameters such as feed, differential speed and torque/motor load to adjust the feed/differential speed for the decanter in order to keep a stable and optimal torque.

Prior to installation, CORE always provides an analysis of the potential for energy savings and the potential for increased capacity and yield.

CORE projects generally have a payback period between 6 months and 1 year.

The CORE-DEC controller is delivered on a separate PLC and with the communication units needed.

The controller is implemented swiftly and commissioned without disturbing production.