

THEISEN, KARL-HEINZ, KLEMENS SENKOWSKI, TIM DIRINGER, Concentration measurement for continuous boiling processes.

It has always been the aim of the sugar industry to produce high quality sugar without any fine grains. Also the crystallisation has to be as energy efficient as possible. To achieve these two targets factories increasingly use the principle of continuous pans.

A special rinsing system of the sensor makes possible reliable measurements over the entire operational time.

The newly developed :-ICC 2.45 system now offers the possibility of connecting four microwave sensors to one evaluation unit and is therefore an ideal instrument for individual control of the different chambers in a continuous pan.

In the following we will present advanced solutions for process control of continuous pans based on the microwave concentration measurement.