

Colour Quality Monitoring of Liquids, Powders, and Solids

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Abstract

The instrument technology from Neltec allows real-time colour monitoring of liquids, solids and powders in shades finer than visible by the eye.

The instruments can measure at a distance without disturbance from changing light in the environment. This means it is possible to measure the colour of liquids in a glass section of a pipeline. Bubbles have little influence on the results.

Powders and particles of any particle size up to 50 mm on any type of conveyor can be measured at a safe distance up to 2 m.

Bread and cookies can be checked for correct degree of browning right after leaving the oven, and potato chips can be checked right after leaving the frying oil to avoid over- or undercooking.

Examples of different applications will be presented.