



Consumer care

Consumer care products are complex industrial fluids that are highly time dependent

Successful cosmetics and personal care products need the right rheological properties. Since many products are non-Newtonian liquids, the industry is dependent on complex flow measurements. The measurements are required to determine how a product feels when used (e.g. skin sensation), how it behaves (e.g. pumping performance) and how it changes over time (e.g. stability). The measurements are also needed to choose/change/modify ingredients, to decide manufacturing conditions and to troubleshoot product failures. Most manufacturers have several parallel continuous production lines and there is an unmet need to accurately measure these complex flows in-line and in real-time. Currently, measurements are performed using slow off-line rheometers or inaccurate in-line flow meters/viscometers.

“Lean manufacturing requires in-line quality control”

Benefits

Make rapid decisions during the manufacturing process.

Early warning detection during the process.

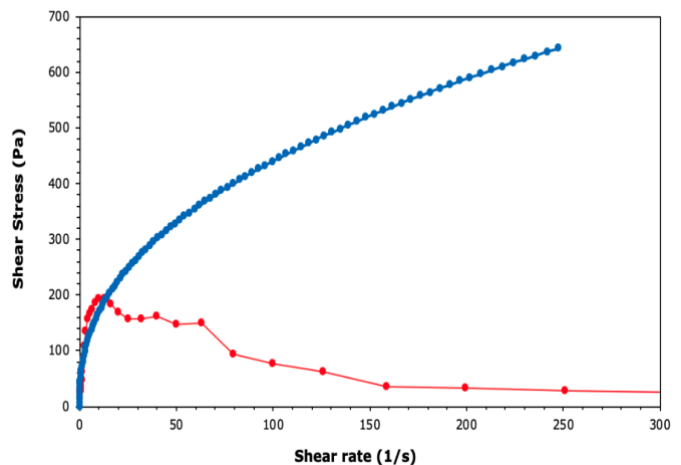
Eliminate time consuming off-line sampling.

Link important fluid quality parameters to your process.



Touch-free sensors

Incipientus sensors was used to measure in a range of different consumer care products for in-line quality control. The sensors are touch free and hygienically safe.



Measure in difficult products

Incipientus can measure products that are difficult to sample (red), which prevents the operator from obtaining important product quality information. Incipientus measures directly in-line (blue) and eliminates sampling.