



Applications

Emulsification

Fast particle analysis to optimize droplet size, stability, and emulsion performance

**Droplet Size
Distribution**

**Droplet
Concentration**

**Coalescence &
Stability**

**Detect
Impurities**

Process-Relevant Insights

Emulsion quality depends on controlling droplet size, concentration, and stability. Our analysis helps you fine-tune the process for optimal performance.

- + Monitor droplet size for texture and stability
- + Detect size variation that impacts shelf life
- + Quantify concentration of the dispersed phase
- + Identify coalescence early to prevent instability

What You See - And What It Means

In just 2 minutes, the ParticleTech Analyzer can reveal size, uniformity, and concentration. A timelapse analysis furthermore allow for detecting early signs of coalescence and instability. These insights can help you control the emulsification process and ensure consistent product quality.

What You Gain

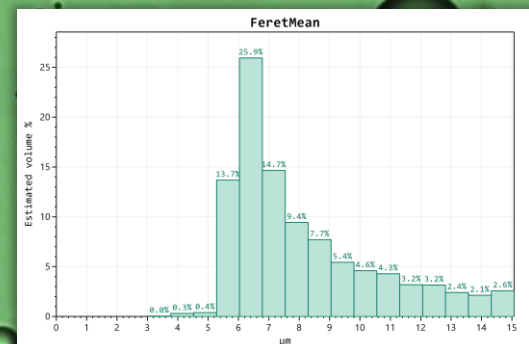
- ✓ Consistent droplet size for stable emulsions
- ✓ Improved shelf life and product texture
- ✓ Early detection of coalescence and defects
- ✓ Faster process optimization and quality control

Read more at

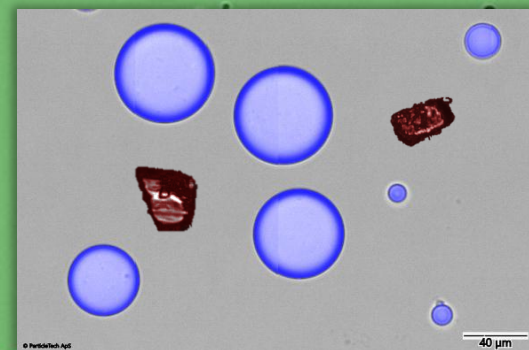
particletech.dk/particletechanalyzer

U.S. Patent No. 12,281,973

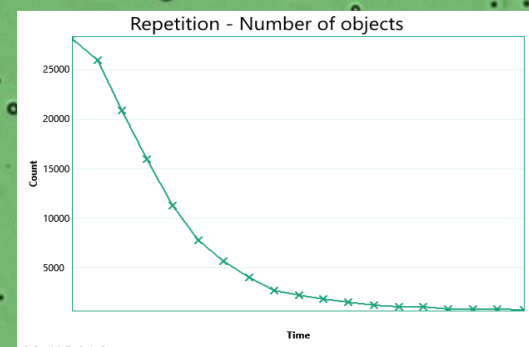
U.S. Patent No. 12,591,962



Droplet Size Distribution



Detect Impurities



Stability Testing