



## Applications

# Flocculation

Optimize floc formation and strength for efficient solid-liquid separation

**Floc Size  
Distribution**

**Floc Strength  
& Integrity**

**Total Suspended  
Solids (TSS)**

**Flocculation  
Efficiency**

## Process-Relevant Insights

Effective flocculation require control of floc size, strength, and suspended solids. Our analysis provides insights to enhance solid-liquid separation.

- + Monitor floc size to optimize separation
- + Detect fragile flocs that may break during handling
- + Measure Total Suspended Solids to assess efficiency
- + Quantify efficiency to optimize dosing & conditions

## What You See - And What It Means

In just 2 minutes, the ParticleTech Analyzer reveals floc size, strength, and total suspended solids, for samples taken before and after flocculation. These insights help you fine-tune the flocculation performance by ensuring stronger flocs and a more efficient separation.

## What You Gain

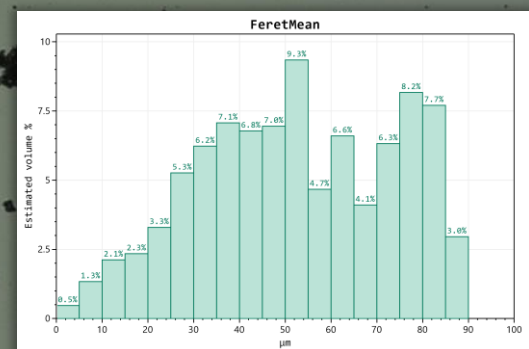
- ✓ Stronger, more stable flocs for better separation
- ✓ Faster process optimization & reduced chemical use
- ✓ Improved control of total suspended solids
- ✓ Enhanced downstream efficiency & product quality

## Read more at

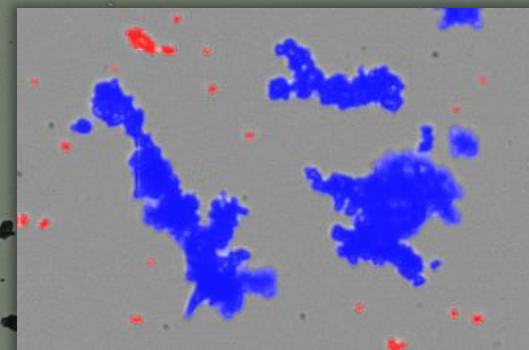
[particletech.dk/particletechanalyzer](https://particletech.dk/particletechanalyzer)

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

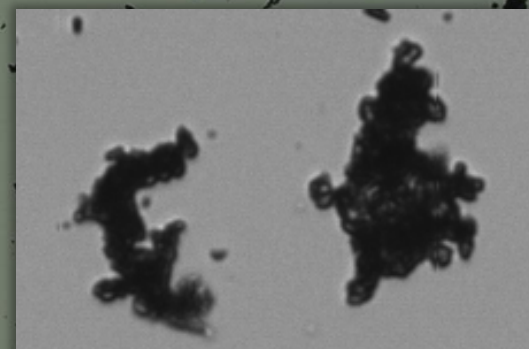
U.S. Patent No. 12,591,962



Floc Size Distribution



Recoverability Quantification



Floc Compactness/Strength