



Applications

Fermentation

Track what really matters: biomass composition, morphology, and productivity

**Biomass
Concentration**

**Biomass
Morphology**

**Particle
Size & Shape**

**Yeast, Fungi
& Bacteria**

Process-Relevant Insights

Tailored insights for yeast, bacteria, and fungal fermentations to optimize yield and detect issues.

- + Monitor yeast health and morphology changes
- + Optimize bacteria morphology & composition
- + Fungi pellet and hyphae size & fragmentation control
- + Detect and quantify contaminations

What You See - And What It Means

ParticleTech Analyzer captures detailed images of your particles and utilizes advanced image analysis algorithms to identify particle types and morphological changes, providing actionable process insights in just 2 minutes.

What You Gain

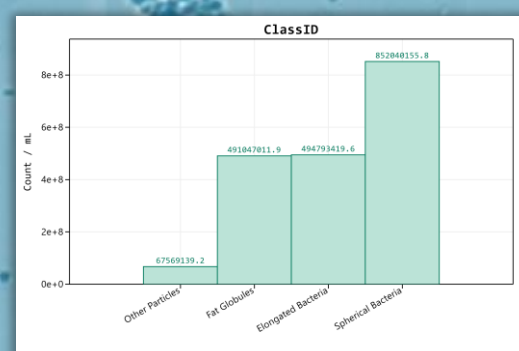
- ✓ Optimize yield, productivity, and consistency
- ✓ Get contaminations under control
- ✓ Detect morphology shifts that impact viscosity and downstream separation
- ✓ Easy, 2-minute analysis at-line - usable by all

Read more at

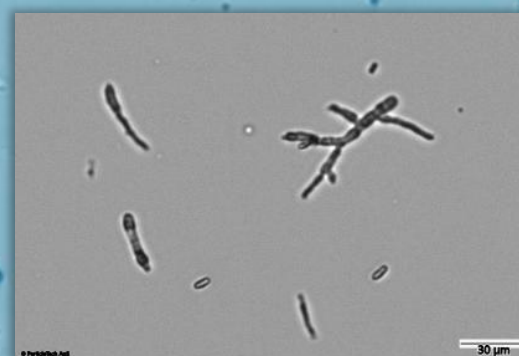
particletech.dk/particletechanalyzer

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

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



Composition Analysis



Fungal Hyphae Analysis



Yeast & Bacteria Distinction