

Applications

Metallic Pigment

Quantify flake size, thickness, and integrity for consistent color and high-performance formulations

Flake Size & Shape

Flake & Coating Thickness

Delamination Detection

Homogeneity of Flakes

Process-Relevant Insights

Metallic pigment performance depends on flake size and integrity. Our analysis reveals key properties that impact color, dispersion, and final product quality.

- + Measure flake size and shape to predict gloss
- + Quantify flake thickness to control color appearance
- + Detect delamination affecting visual appearance
- + Assess batch consistency and dispersion quality

What You See - And What It Means

ParticleTech Analyzer captures detailed images of pigment flakes in minutes. You see flake size, thickness, and detect any delamination or fragmentation. This provides insights that can be used to optimize milling & deposition processes to get consistent color, brightness, & dispersion quality.

What You Gain

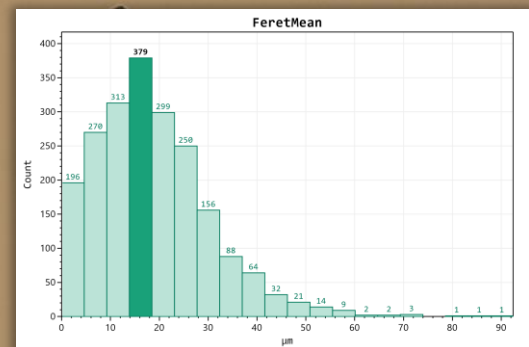
- ✓ 2-minutes analysis of pigment color & brightness
- ✓ Early detection of flake damage or delamination
- ✓ Faster troubleshooting & formulation optimization
- ✓ Easy-to-use analysis in both R&D and production

Read more at

particletech.dk/pigment

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

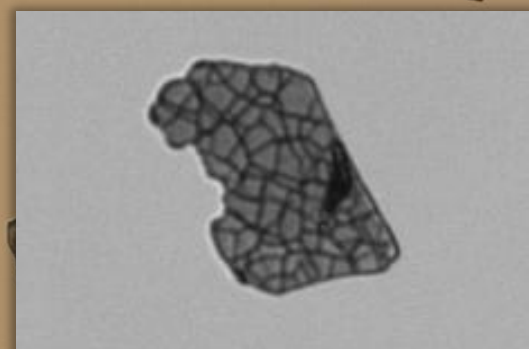
U.S. Patent No. 12,591,962



Pigment Size and Thickness



Document Residual Particles



Delamination detection