

# Particle Insight Raptor Portable Particle Shape and Size Analyzer



**Brand:** Vision Analytical  
**Product Code:** 365-11  
**Availability:** Call for availability

## Description

The Particle Insight Raptor Portable system is designed to perform high resolution precision shape measurements of particles from 3 $\mu$ m to 800 $\mu$ m in a portable and benchtop configuration. By using Dynamic Image Analysis and a flexible sampling design users can get a full picture of their raw material particles.

Unique features include:

- Shape, size, concentration, and thumbnail images of all analyzed particles.
- Number-based measurement. No minimum concentration limit.
- Flexible fluid design allows for various sample suspension options including on-line.
- Disposable / interchangeable flow cells.
- Correlation Plots to identify and view rare event particles and trends.
- Sieve Correlation offers data reporting referencing sieve results for easy technology comparison.
- On-line continuous process monitoring capability.
- Ruggedized case and battery operated for field or lab use.
- All raw images saved allows reanalysis of captured data.
- Full particle count codes compliant to ASTM, ISO, and NAVAIR oil wear particle requirements.
- Includes embedded Microsoft Surface Pro computer with touch-screen.
- Overlay data for sample-to-sample or lot-to-lot comparisons.

- Smart phone App allows remote real-time monitoring.