CLAIRITY™

ImageProVision™

IMAGE ANALYTICS. REIMAGINED.

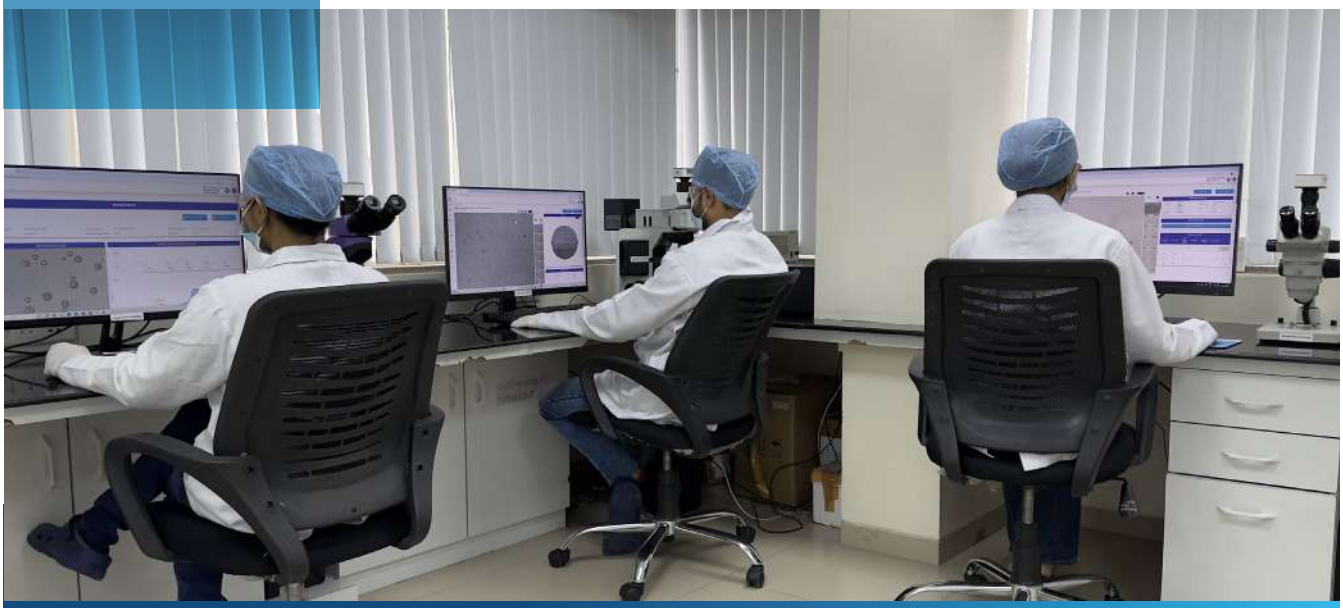


CLAIRITY™ by ImageProVision

AI-Driven Image based analytics for Scientific & Pharmaceutical Laboratories

- **Particle Characterization**
- **Particulate Matter Analysis**
- **Microbial Colony Counting**
- **Thermal Characterization**
- **Capsule Seam Inspection**
- **Artwork ProofReading/ Verification**
- **Automated Cell Counting & Viability**

About ImageProVision



ImageProVision provides advanced AI-driven analytical solutions that helps pharmaceutical, biotechnology & research laboratories improve accuracy and stay compliant with regulations.

Our technologies help scientists & QC/QA experts convert microscopic images into **quantitative analytical data**, enabling more reliable scientific measurements and improved decision-making in laboratory workflows.

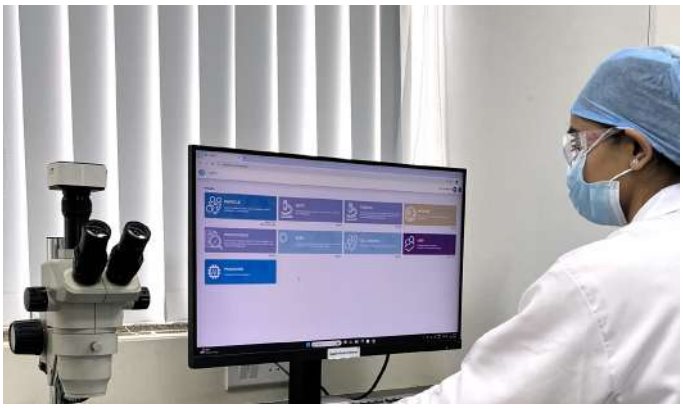
CLAIRITY™ Suite

By combining high-resolution microscopy, artificial intelligence, and automated image processing, CLAIRITY™ transforms complex laboratory analysis into a streamlined workflow.

CLAIRITY enables scientists to perform complex analyses such as particle characterization, Automated microbial colony counting, thermal studies, Cell Analysis and packaging inspection with greater accuracy and reproducibility.

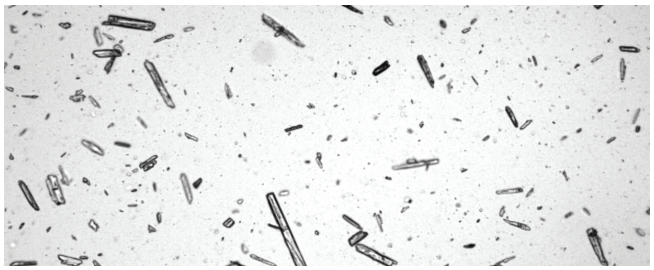
Key capabilities

- AI-assisted Particle analysis
- Automated measurement and counting
- Multi-parameter morphology analysis
- Batch processing and reporting
- LIMS-ready digital reports
- 21 CFR Part 11 data integrity support



CLAIRITY™ Particle

CLAIRITY™ PARTICLE enables scientists to measure and analyze particle characteristics using advanced image-based particle analysis, evaluating size, shape, and morphology to understand the physical properties of pharmaceutical materials and formulations.





Applications

- API particle characterization
- Excipient and blend analysis
- Globule size distribution
- Foreign Matter Inspection
- Deformulation studies

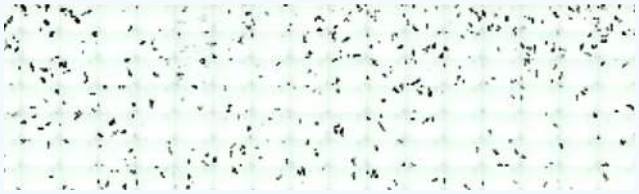
CLAIRITY™ Auto

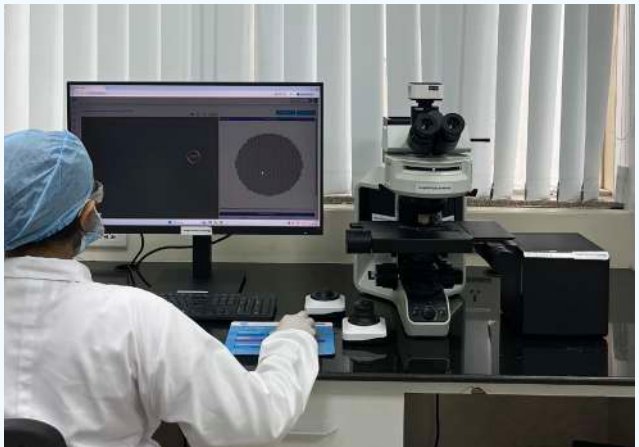
CLAIRITY™ AUTO is an automation-driven platform for particle and particulate matter analysis with minimal manual intervention.

It automatically scans slides or filter papers and detects particles using AI, reducing manual effort while improving reproducibility and throughput.

Applications

- Particulate matter testing
- Automated **Particle size and morphology analysis**
- **Deformulation and batch-to-batch co mparison studies**.
- Formulation screening and stress testing in R&D





CLAIRITY™ Microbe

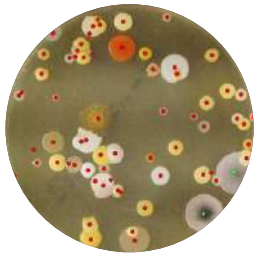
CLAIRITY™ MICROBE is an automated colony counting and microbial analysis system used in microbiology laboratories.

The system captures high-resolution images of culture plates and automatically counts microbial colonies while identifying different colony morphologies.



Applications

- Sterility testing
- Bioburden analysis
- Environmental monitoring
- Antibiotic inhibition zone measurement
- Automated colony counting



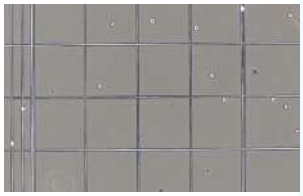
CLAIRITY™ XCell



CLAIRITY™ XCell is an AI-guided platform for automated cell counting and viability analysis. It replicates traditional hemocytometer methods while automatically detecting live and dead cells using imaging and advanced algorithms.

Applications

- Bioprocess monitoring
- Stem cell research
- Vaccine production
- Cell culture analysis



CLAIRITY™ SEAM

CLAIRITY™ SEAM is designed for automated measurement of seam thickness in soft gelatin capsules, using high-resolution imaging to analyze seams and calculate sealing ratios for evaluating capsule integrity.



Applications

- Capsule seam inspection
- Production quality monitoring
- Stability studies
- Capsule formulation evaluation



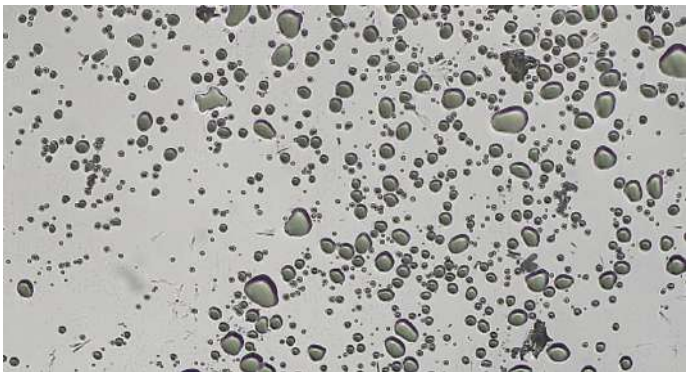
CLAIRITY™ Thermal

CLAIRITY™ THERMAL combines hot-stage microscopy with image analysis to study material behavior under temperature changes, enabling observation and quantification of melting, crystallization, and polymorphic transitions in pharmaceutical compounds.

Applications

- **Polymorphic transformation studies** in APIs and excipients.
- Multi-component classification.
- Thermal **Stability studies and degradation analysis**
- API-excipient compatibility
- **Crystallization and phase change monitoring** during heating or cooling.





CLAIRITY™ PROOFCHECK

CLAIRITY™ PROOFCHECK is a digital artwork verification and proofreading platform for pharmaceutical packaging that compares artwork files to detect deviations in text, graphics, barcodes, and Braille, ensuring packaging accuracy

Applications

- Pharmaceutical packaging verification or Carton Artwork verification
- Multilingual label inspection
- Barcode and Braille validation





CLAIRITY™ MorphoWiz

Intelligent AI-Driven Particle Classification Module

MorphoWiz is an AI-powered module within the CLAIRITY platform that automates particle microscopy by enabling accurate identification, differentiation, and classification of particles in complex samples, providing deeper insight into sample composition.



Key Features

- Smart Particle Identification
- Automated Analytical Workflow
- Advanced Morphology Analysis & Insightful Visualization
- Adaptive AI Learning

IPV Morpho- AI-5000



Fully Automated Intelligent Microscopy System

AI-5000 is a fully automated microscopy system for advanced particle imaging and analysis, combining intelligent automation with high-resolution imaging to deliver reliable and reproducible results across diverse samples

Key Features

- Fully Automated Microscopy
- Automatic Objective Selection
- Automated Scanning with Z-Stacking
- Automatic Illumination Adjustment
- Slide and Filter Paper Compatibility
- Image Stitching Capability



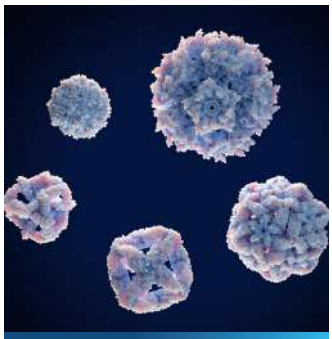
Industries Served



Pharmaceuticals



Biotechnology



Biologics



Food & Beverage



Materials Science



Academia



Research Institutes



Packaging

Why CLAIRITY™

01 AI-driven analytical imaging

02 Modular platform architecture

03 Automated laboratory workflows

04 High-precision image analytics

05 Regulatory-ready data reporting

Trusted Globally

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