CLAIRITY™ PARTICLE ANALYSIS SOLUTIONS

VIA

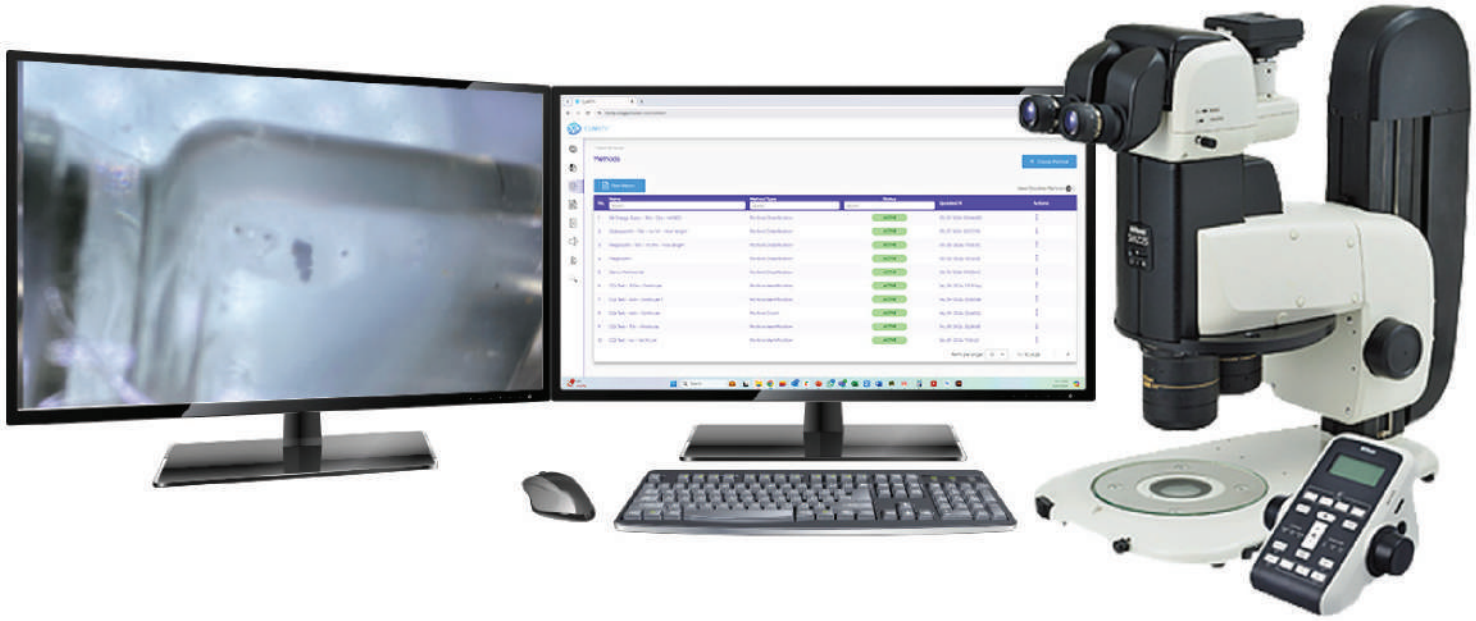
Visual Inspection Analyzers

CLAIRITY™

by ImageProVision, Inc.

SUPPLEMENTARY FORENSIC INSPECTION...

Pharmaceutical product defects such as the presence of particulate matter can lead to significant consequences including patient safety issues, and product recalls. While automated visual inspection is the primary method for identifying these type of defects, its primary objective is detection not identification of particulates. Supplementary forensic inspection techniques focus on the detection of complex defects that may be missed by automated systems, and forensic identification of contaminants for traceability and preventative measures.



*"The **VIA** platform provides a useful orthogonal capability in our visual inspection protocols. When the results are ambiguous, or need further investigation, the **VIA** system provides particle information to identify contributing sources to support continuous process improvements."*

The Visual Inspection workflow of CLAIRITY™ VIA for part

1 Validate System

2 Collect Samples

3 Load & Focus

4 Detailed Pre-Scan

5

...REIMAGINED WITH VIA

The **VIA** family of Visual Inspection Analyzers from ImageProVision combines the Nikon SMZ series of stereo microscopes with the particle measurement performance of CLAIRITY™ Particle Analysis Suite to create a unique dedicated solution for supplementary forensic inspection of particulate matter in intact vials, prefilled syringes, and other sealed translucent vessels. **VIA** offers both manual and automated stereo microscopic inspection of intact vials - without the need to remove contents from the container - for detection of particulate matter. With three deployment options, **VIA** can be deployed across locations to support supplementary inspection protocols as a cost-effective, globally integrated measurement capability.

VIA +

Maximize efficiency for dedicated analysis.

Routine particulate matter investigation in laboratory or plant QC operations.

The power of CLAIRITY™ PARTICLE with a NIKON SMZ1270i stereoscope.

VIA ★

Advanced features in a cost-effective model.

Excellent performance, upgradeable system identification of particulates.

The power of CLAIRITY™ PARTICLE with a manual NIKON SMZ18 stereoscope.

VIA ◆

For the most demanding applications.

Highest performance, automation and measurement flexibility.

The power of CLAIRITY™ PARTICLE, CLAIRITY™ AUTO with a NIKON SMZ25 stereoscope.

icle characterization and visualization in intact containers.

mage
apture

6 Process & Measure

7 Classify & ID

8 Analyze & Report

9 Review & Record

PRODUCT SPECIFICATIONS...

SPECIFICATION	VIA +	VIA ★	VIA ◆
Application	Routine Analysis/Manufacturing	RCA/QC	ARD/Method Development
Particle Size Range (um)	Greater than 50 um		
Particle Attributes	Length, Major Axis, Minor Axis, Breadth, Feret Diameter Length, Feret Diameter Width, Feret Angle, Horizontal Feret Diameter, Vertical Feret Diameter, Width, Aspect Ratio, Area, Perimeter, Circle Equivalent Diameter, Spherical Equivalent Volume, Major Axis Angle, Convexity, Circularity, HS Circularity, Intensity, Solidity, Sharpness, Texture, Elongation, Sphericity		
Particle Detection	Smoothing Factor, Merging Window, Agglomeration Threshold, Enhance Image Contrast, Polarized Particle Detection, Globule Pattern, Particle Appearance		
Nikon StereoZoom Microscope Base Unit	SMZ1270i	SMZ18	SMZ25
Parallel Optical Zoom	✓	✓	✓
Automated Zoom		◆	✓
Zoom Ratio	12.7:1	18:1	25:1
Zoom Range	0.63-15.75	0.63-15.75	0.75-13.5x
Total Magnification	3.15-480x	3.75-270x	3.15-315x
Working Distance	70mm	60mm	60mm
5MP Digital Camera	✓	✓	✓
CLAIRITY™ PARTICLE Module	✓	✓	✓
CLAIRITY™ AUTO Module		◆	✓
CLAIRITY™ USER Module	✓	✓	✓
LED Ring Light Source	✓	✓	✓
Bright Field Detection Method	✓	✓	✓
Dark Field Detection Method		✓	✓
Oblique Observation Method	◆	◆	✓
LED BeamSpot Oblique Angle Illuminator	◆	◆	✓
Automated Sample Stage		◆	✓
Manual Sample Stage	✓	✓	
21 CFR Part 11 Compliance	◆	◆	◆
Annual Software License Subscription	✓	✓	✓

✓ Included ◆ Option/ Upgrade

VIA DEPLOYMENT OPTIONS...



Local Installation
Direct PC deployment for simplicity and ease of use



LIMS Installation
Network deployed multi-terminal access for use across locations



Cloud Access
Infrastructure free deployment with truly global access to data

ImageProVision™
IMAGE ANALYTICS. REIMAGINED.

Princeton, USA
Princeton Innovation Centre BioLabs
303A College Rd E, Princeton, NJ USA 08540
+ 1 346.583.9212

Pune, India
DS IKON, 3F, Survey no. 22, Laxman Nagar, Baner, Pune 411045 INDIA
+ 91 82370 39001

getCLAIRITY.ImageProVision.com

Info@ImageProVision.com