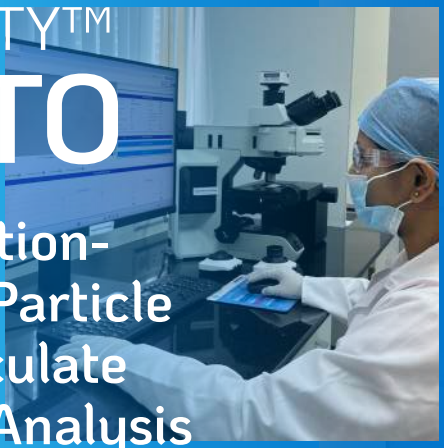
CLAIRITY™

ImageProVision™
IMAGE ANALYTICS. REIMAGINED.

CLAIRITY™ AUTO

Automation-Driven Particle & Particulate Matter Analysis



CLAIRITY™ AUTO is an advanced microscopy platform powered by AI, purpose-built for automated particle size and shape analysis as well as particulate matter analysis. Designed for pharmaceutical R&D and QC labs, it offers unmatched precision, repeatability, and speed - eliminating the inconsistencies of manual microscopy.

With dedicated workflows for both slide-based particle characterization and filter-based particulate matter analysis, CLAIRITY™ AUTO enables high-throughput and regulatory-compliant testing across a wide range of formulations.



Compliance Highlights

Aligned with **USP <776>, <788>, <789>, <790>, <1776>, EP 2.9.19,** and **USP 1788 method 2**

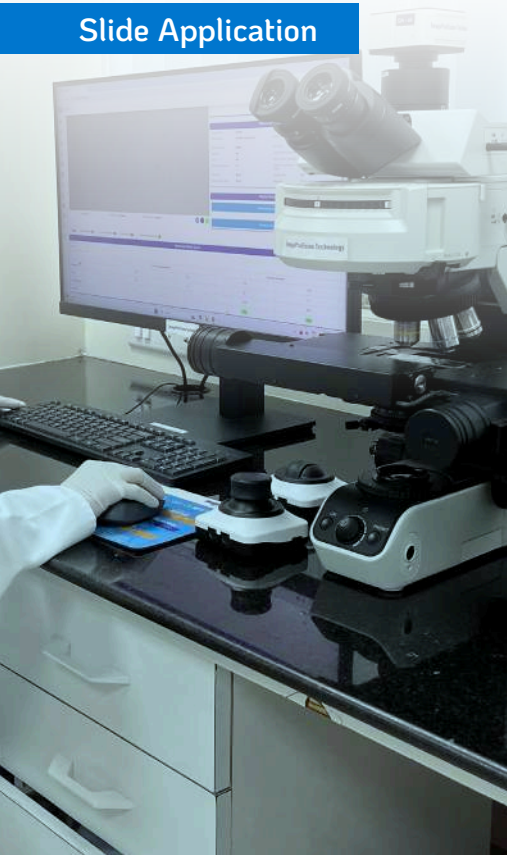
Fully **21 CFR Part 11** compliant with secure, auditable reporting

CLAIRITY™

ImageProVision™
IMAGE ANALYTICS. REIMAGINED.

CLAIRITY™ AUTO

Slide Application



CLAIRITY™ AUTO

Slide-Based Particle Characterization

Key Features

01 AI-Guided Imaging

Replaces manual microscopy with automated, high-throughput analysis

02 Advanced Morphology Detection

Accurately detects particle size, shape, and surface area features using 24+ parameters

03 Versatile Sample Compatibility

Suitable for injectables, ophthalmics, lyophilized powders, creams, ointments, suspensions, oral liquids, gels

04 Particle Classification

Distinguish between APIs and excipients based on morphology

05 Regulatory Readiness

Aligned with USP <1776>, <776>, <695>,<901>

Value

Optimize formulation screening, stress testing, deformulation, and batch-to-batch comparisons with reliable, reproducible outputs.

CLAIRITY™

ImageProVision™
IMAGE ANALYTICS. REIMAGINED.



CLAIRITY™ AUTO
Filter Paper Analysis

CLAIRITY™ AUTO – Intelligent Filter-Based Particulate Matter Detection

01 Fully Automated Imaging

High-speed scanning of filter papers with automatic image capture

02 AI-Based Particle Recognition

Classifies fibers, oil droplets, glass, and other particulate matter

03 High Accuracy & Throughput

Eliminates manual variability in subvisible testing

04 Ideal For

Injectables, MDIs, aerosols, suspensions, and quality checks across manufacturing

05 Compliance-Ready

Meets USP <788>, <789>,<790>, USP 1788 (method 2), EP 2.9.19 – Method 2

Highlight

Trace, locate, and retrieve particles on filter paper with pinpoint accuracy - powered by intelligent stage mapping and live particle tracking.

CLAIRITY™

ImageProVision™
IMAGE ANALYTICS. REIMAGINED.

Installation Options

Local Installation
Single PC, connected to microscope, multi-user within one unit

Client Server
Multiple PCs/ microscopes, data sharing across units and users

Cloud Access
Internet-based access managed by ImageProVision, multi-user with data sharing

Statistics

Type	Particle	Agglomerate	Total
Min Length (µm)	4.09	22.89	4.09
Max Length (µm)	330.33	107.93	330.33
Average Length (µm)	37.71	60.51	38.06
Standard Deviation	53.13	36.96	52.94
Aspect Ratio	0.44	0.41	0.44
Count	258	4	262
Percentage	98.47	1.53	100
Median	12.27	55.6	12.27

D10 D50 D90 Values

Type	Particle	Agglomerate	Total
D10	6.54	22.89	6.54
D50	12.27	41.7	12.27
D90	113.66	107.93	112.84
Span	8.73	2.04	8.66

Contact Us to Learn More

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Applications of CLAIRITY™ AUTO

- Particle size and morphology analysis
- Excipient/API classification
- Filter-based particulate matter count
- Foreign matter and contamination detection
- Injectable and ophthalmic QC
- Creams, gels, and suspension testing