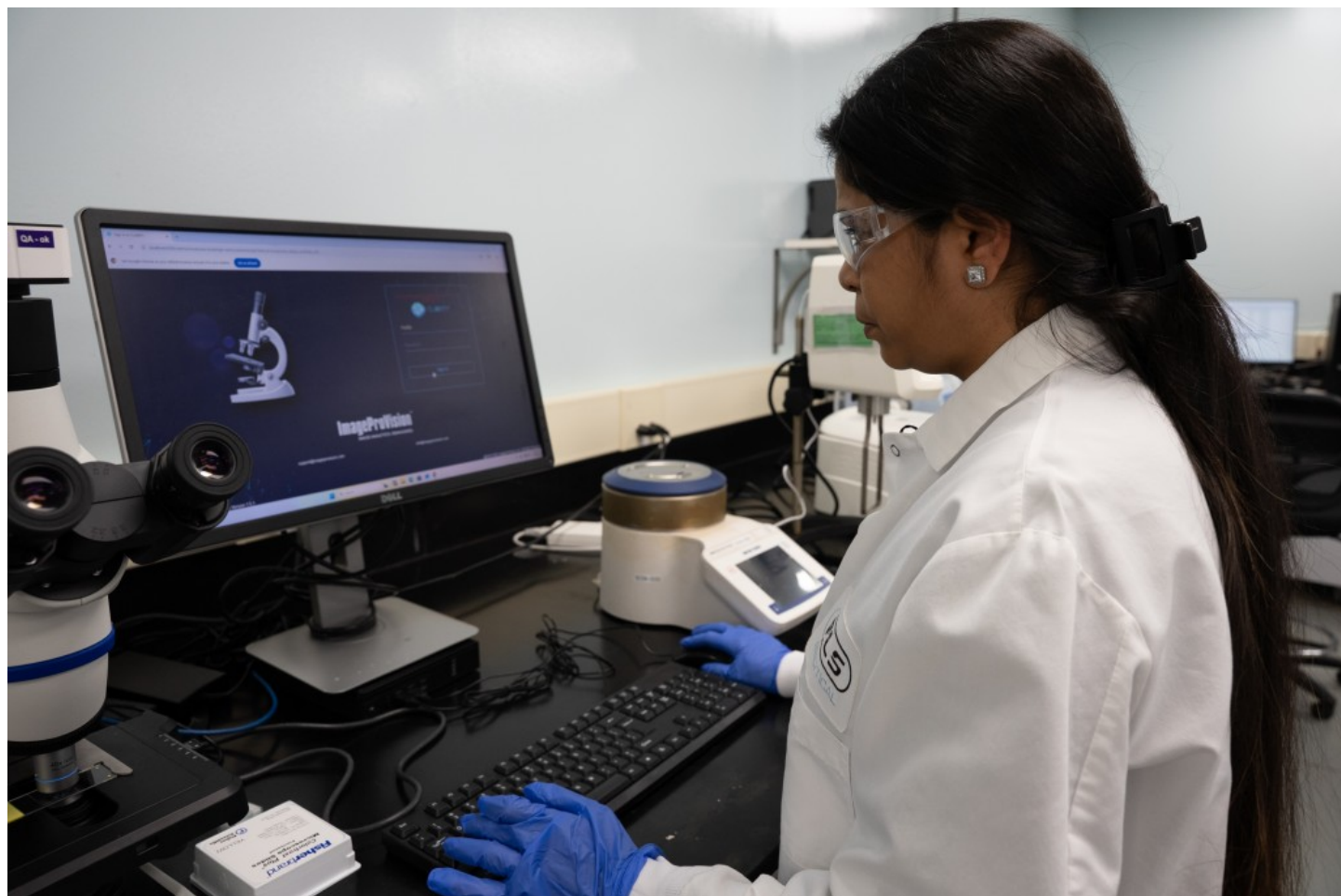


PLS Analytical Introduces ImageProVision™: Transforming Particle Size Analysis with Advanced Imaging Technology

PLS Analytical, a leading contract testing laboratory specializing in pharmaceutical, OTC, and life-science programs, proudly announces the integration of ImageProVision™, a cutting-edge particle size and morphology analysis platform.



East Brunswick, New Jersey May 21, 2026 ([Issuewire.com](https://www.issuewire.com)) - PLS Analytical, a contract testing laboratory supporting pharmaceutical, OTC, dietary supplement, and life-science programs, today announced the integration of ImageProVision™, an advanced image-based particle size and morphology analysis platform designed to enhance material characterization and analytical precision.

The integration expands PLS Analytical's particle characterization capabilities through direct particle visualization, morphology-aware analysis, and AI-assisted data processing, offering clients deeper insight into complex particle populations beyond traditional laser diffraction approaches.

Advancing Beyond Traditional Methods

Conventional particle sizing systems, such as laser diffraction technologies, estimate particle size based on light-scattering patterns and mathematical models, often assuming spherical particle shapes. This approach can overlook critical morphology details and may not accurately represent heterogeneous sample populations.

ImageProVision™ revolutionizes this process by combining image-based analytical science with AI-assisted data processing. The platform enables direct visualization and measurement of individual particles, providing clients with a more detailed understanding of their material characteristics.

“ImageProVision™ reflects our continued focus on delivering high-quality analytical solutions that support increasingly complex pharmaceutical and life-science programs,” said Sanjay Patel, COO of PLS Analytical.

Built on more than a decade of applied image analytics innovation, ImageProVision™ technology has seen global adoption across pharmaceutical, research, and industrial environments, supporting advanced material characterization and quality programs.

Key Benefits of ImageProVision™:

- **Direct Particle Visualization:** High-resolution imaging captures true particle geometries, accommodating irregular shapes and providing morphology-aware evaluations.
- **Enhanced Data Confidence:** Improved detection of agglomerates and mixed particle populations ensures comprehensive characterization, critical for complex APIs and excipients.
- **Accelerated Turnaround Times:** Automated image capture and AI-enabled data processing significantly reduce analysis time, expediting development and release timelines.
- **Cost-Efficient Testing:** By enhancing first-pass data quality and minimizing the need for repeat testing, ImageProVision™ supports more efficient analytical programs and optimized project budgets.

Designed for Regulated Environments

ImageProVision™ is deployed within PLS Analytical’s cGMP-aligned, ISO-driven quality framework and is designed to support **21 CFR Part 11 aligned data management workflows**, enabling secure electronic records, audit trails, and controlled user access suitable for regulated pharmaceutical environments.

The platform supports:

- Method development and validation programs
- Formulation development support
- Raw material and excipient characterization
- Finished product investigations
- Stability and lifecycle studies
- Regulatory submission data packages

All testing is supported by audit-ready documentation and data integrity controls aligned with current regulatory expectations.

Expanded Capabilities and Industry Engagement

As PLS Analytical continues to expand its role as an integrated CDMO and contract testing partner, the organization offers a comprehensive suite of advanced analytical and microbiological services, including nitrosamine testing (NDSRI), extractables and leachables (E&L) studies, bacterial endotoxin testing (LAL), peptide characterization, antimicrobial assays, microbial kill-rate studies, and stability testing. Operating within a DEA-approved, US FDA-registered, ISO 17025 certified, and cGMP-compliant

environment, PLS Analytical supports complex pharmaceutical and life-science programs with data and rapid execution.

The company will be exhibiting at CPHI Americas 2026, where it will showcase its expanded capabilities, including ImageProVision™, and engage with partners seeking high-quality, science-driven testing solutions.

PLS Analytical's Testing Portfolio

PLS Analytical is a contract testing laboratory providing microbiological, analytical, chemistry, environmental, nasal, and packaging component testing services to support pharmaceutical, dietary supplement, and life-science programs. The organization delivers routine testing, complex investigations, and data to support clients across the product lifecycle.



Media Contact

Krishna Chudgar

*****@plsanalytical.com

7325859990

<http://plsanalytical.com>

Source : PLS Analytical

[See on IssueWire](#)