ParticleID™

Search and Compare Similar Particulate Images and Spectra
Help Find Contamination Source for Root Cause Investigations

ParticleID™ is a state-of-the-art, customizable cloud hosted web application developed by the experts at RJ Lee Group based on our 35+ years of scientific laboratory experience. Every day the experts at RJ Lee Group solve complex contamination problems using a large variety of techniques and tools. As such, ParticleID was designed for the laboratory to provide a simple and complete solution comprised of data collection, storage and compare functionality.

Capabilities

- Storage and retention of sample details, source, and conclusion information in a central encrypted, high performance database (DBaas) regardless of users` location
- Easy to use graphical interface including Add/Remove search fields and columns on a customizable user dashboard and report
- Granular sample data searches which includes all database fields
- Ability to clone samples for faster, efficient data entry
- Upload and store instrument results files (FTIR, Raman, optical, EDS, SEM, Stereomicroscopy, PLM)
- Search and compare supported images (.png, .jpeg, .bmp, .gif) within a sample or across samples
- Overlay supported spectra files (.emsa, .spc, .tif, .dx, .dpt) to compare within a sample or across samples
- Search for specific element data
- Interactive spectra graphs
- Dynamic parsing of raw instrument files
- Document storage of sample attachments such as .pdf, .doc, .png, .jpeg
- A thumbnail image gallery of all sample images
- Export sample images and spectra
- An FDA CFR 21 Part 11 compliant audit trail for administrator users
- Sample and comparison reports
- Customer branded site with own company logo

ParticleID: A database methodology to discover and compare sample result data while aiding to comply with FDA 21 CFR Part 11 Regulations

Security

- Secure, role-based user access with multi-factor authentication enabled
- Re-authenticate after periods of inactivity
- Data is safe and secure utilizing encryption at rest, encryption in transit, encrypted backups
- Full audit compliant logging
- Client connections and internal services are encrypted with a 2048 SHA SSL certificate
- Integration enabled with existing Organization's Active Directory / O365 Domain utilizing security best practices
- Highly available, securely isolated cloud-based infrastructure in a fully compliant FDA CFR 21 Part 11 facility

Support

	Online Help
	Technical Support Center
	Knowledgebase