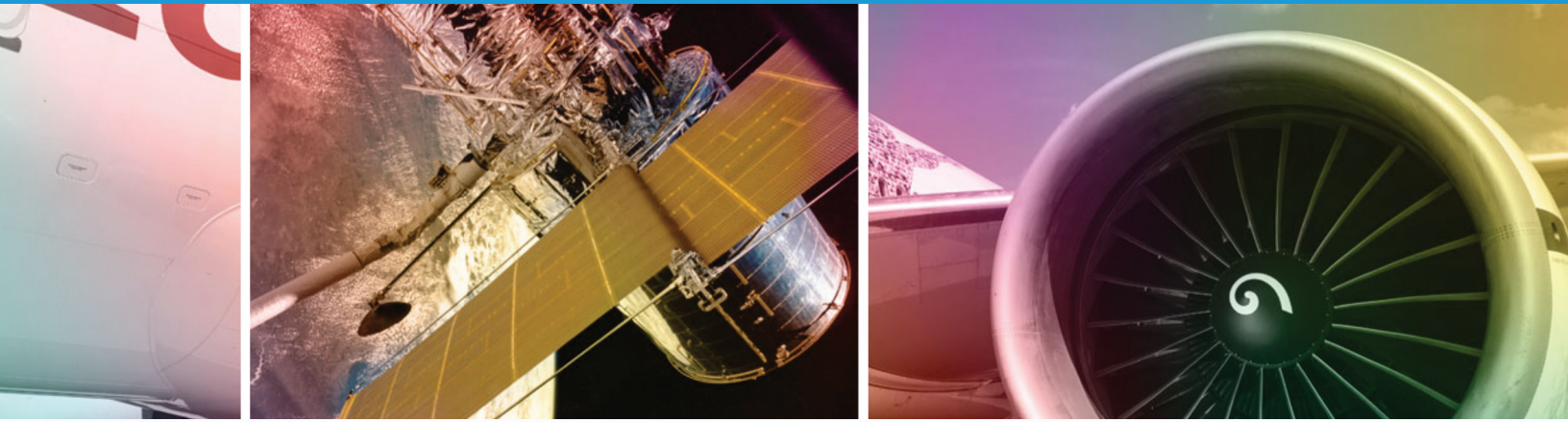


# QUARTZLIMS

AEROSPACE & DEFENSE



One **LIMS**  
**ALL** Labs



**QUARTZ IMAGING  
CORPORATION**  
FOR A FASTER, SMARTER LAB

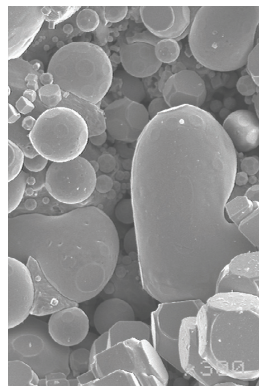
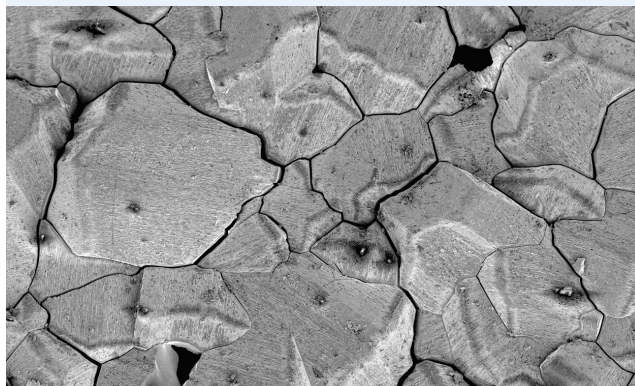
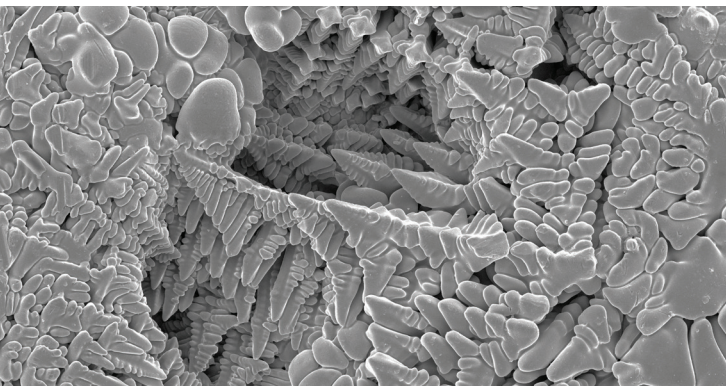
# The Only LIMS Designed Specifically for High Technology Labs

Quartz has been providing software solutions to many of the leading companies in the Aerospace & Defense industries for more than 30 years.

We have gained a thorough understanding of the needs and challenges of laboratories within the Aerospace & Defense industries, and have leveraged that knowledge to expand our product line with solutions to help make your labs Faster & Smarter.

Quartz LIMS is a complete, configurable Laboratory Information Management System that supports all types of instrumentation, including microscopes and instruments for metallography, surface analysis and chemical analysis, as well as reliability testing equipment.

Quartz PCI is our software for microscopy applications that includes image processing, measurement, annotation and report generation. PCI-AM includes a powerful set of automated measurement tools that are designed for semiconductor features. We have integrated our instrument-based PCI software with our server-based Quartz LIMS software to create a LIMS system that will significantly increase lab productivity and is the only LIMS system that handles images as first-class passengers.



# The Complete, Customized Analytical Laboratory Management Solution

Quartz LIMS is the only Laboratory Information Management System that handles images as first class passengers. We are also experts in providing highly configurable LIMS systems that can support many types of data, whether your lab works with individual samples or batches of samples.

## How to Become a *Faster, Smarter Lab*

- ▲ Implement quota system on job requests.
- ▲ Automate routine tasks.
- ▲ Automatically enforce business rules and security.
- ▲ Ensure job requests are completed on time.
- ▲ Keep clients informed with automatic e-mails.
- ▲ Save data in the right place automatically.
- ▲ Keep samples and data organized and at your fingertips.
- ▲ Detailed views of work progress.
- ▲ Generate client and management reports automatically.
- ▲ Monitor KPIs. Identify bottlenecks. Establish best practices

Imagine not having to purchase new instruments in each of your labs over the next few years.

Imagine growing lab output and improving on-time performance without new hires.





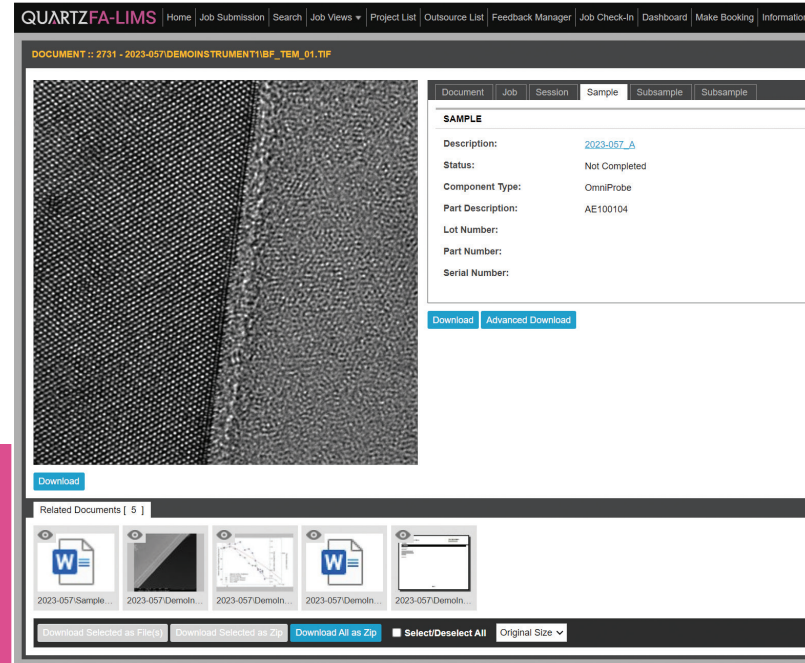
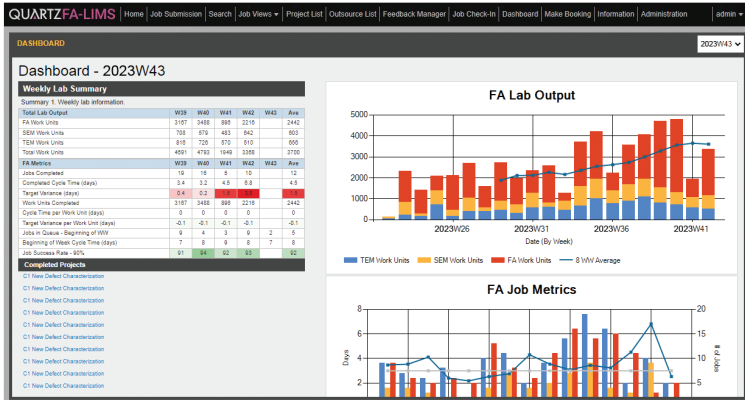
# QUARTZFA-LIMS

Quartz FA-LIMS is a highly configurable Laboratory Information Management System that is designed for **Failure Analysis and Materials Characterization** labs. It will be configured to match the workflow and terminology needs of your lab. The server-based software is integrated with our PCI software to deliver performance and value that no other LIMS system can provide. Increase lab productivity by 20% or more.

The Powerful Integration of our PCI software with our server-based FA-LIMS system takes the concept of a LIMS system to another level of productivity.

## Benefits of PCI Integration

- ▲ Easy, fast and accurate uploading of data into FA-LIMS
- ▲ Even more effective with barcode scanners at sample check-in and instruments
- ▲ Time Stamps - Tracks times by Job, Session, Sample, Analyst – provides metrics for FA-LIMS Lab Management Reports
- ▲ Powerful Job/Client Report Generator
- ▲ Key driver for productivity increase

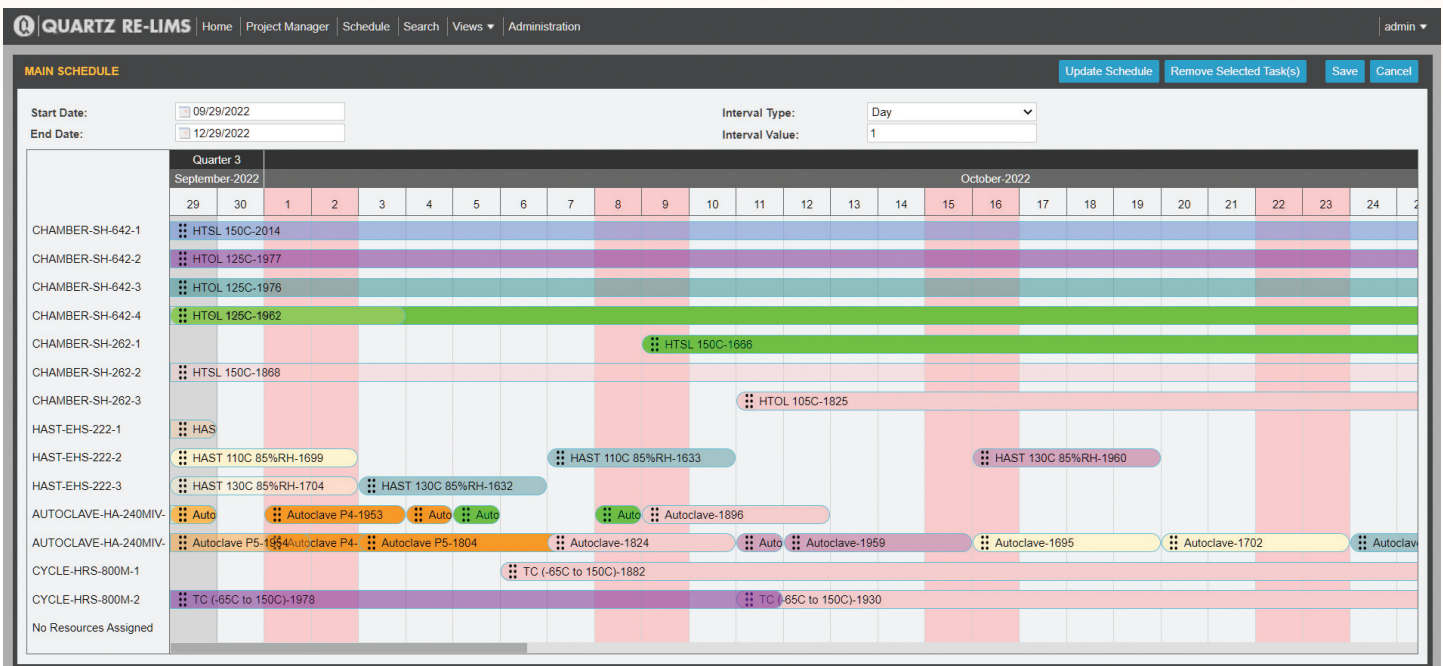


**Quartz LIMS is the only 'Image Smart' LIMS system available**

*The integration of PCI with Quartz LIMS delivers performance and value that no other LIMS system can come close to.*

# QUARTZRE-LIMS

Designed specifically for Reliability and Quality Assurance labs, Quartz RE-LIMS is highly configurable so what we deliver to you will match your workflow and terminology needs. It features a 'Sandbox' mode that allows you to take your entire work plan 'offline'. You can make changes to one project/qual plan and see how it impacts the completion date of other plans. Once you have it the way you want, you can save it as your current work plan. Get the most out of your lab resources.



## Quartz RE-LIMS Features

- ▲ Generate projects quickly
- ▲ Easy to use Job templates
- ▲ Track results for each Job
- ▲ Integrates with other databases
- ▲ Track dates and time for all Jobs & Projects
- ▲ Manage priorities and resources – Sandbox Mode
- ▲ Improve lab management
- ▲ Improve lab performance
- ▲ Increase lab productivity

The Sandbox feature alone makes RE-LIMS a game-changer

# QUARTZCH-LIMS

Your Chemical Analysis labs or any of your other labs that are also doing chemical analysis can also benefit from the configurable Quartz LIMS. CH-LIMS supports multiple chemical analysis techniques. You can import data from many types of instruments and CH-LIMS will compute the results. CH-LIMS includes all of the features and functionality you would expect from a world class chemical lab LIMS system.

## Quartz CH-LIMS Features

- ▲ Highly Configurable
- ▲ Supports Multiple Chemical Analysis Techniques, such as ICP-MS and IC
- ▲ Imports Data Files from Many Instruments
- ▲ Comprehensive Sample Data Review
- ▲ Supports Results Computation
- ▲ Select Results for Release
- ▲ Transpose Released Results into Final Format
- ▲ Chemical Data File Archiving

## IDEAL LIMS FOR:

- ▲ Lubricant Analysis
- ▲ Chemical Compatibility
- ▲ Product Ecology & Safety
- ▲ Incoming Materials Inspection
- ▲ Prohibited Chemicals Certification

QUARTZ CH-LIMS | Home | Job Submission | Search | Job Manager | Samples | QUARTZAdrian

**JOB MANAGER**

Active Jobs [ 2 ] | Submitted Jobs [ 1 ] | Done Jobs [ 35 ] | Active Samples [ 7 ] | Done Samples [ 65 ]

Export to Excel | Advanced Filter

Job Number	Status	Request	Are	Priority	City	Location	Analysis Techniq	Sample Name	System	Birth Date	ICP-MS Reviewed	IC Reviewed	SI Reviewed
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								U220001_B	HUPW	03/04/2022	Yes	Yes	Yes
U220005	Completed	Admin	UPW	P1	Vancouver	V1	IC,SI	U220005_A	HUPW	03/05/2022			No
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								U220005_C	HUPW	03/05/2022			No
U220008	Completed	Admin	UPW	P4	Chicago	West-X1	ICP-MS,IC,SI	U220008_A	UPW	03/05/2022	No	No	No
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65 items found.



# QUARTZPCI

Microscopy image acquisition, processing, archiving and measurement software.

Quartz PCI is the preferred microscope image acquisition, processing, archiving and measurement software of thousands of researchers around the world.

PCI software helps you manage all aspects of the imaging process including acquisition, processing, annotation, measurement, reporting, archiving and retrieval.

## Features include:

- ▲ Contrast and Brightness Adjustments
- ▲ Filtering & Enhancement
- ▲ Color Correction
- ▲ Rotation & Reverse Raster Rotation
- ▲ Tilt Correction
- ▲ Image Sharpness Measurement
- ▲ Anaglyph Stereo Images & Image Mixing
- ▲ Resizing
- ▲ Manual Measurement Tools
- ▲ Measurement and Annotation Overlay Layer
- ▲ Measurement Grid / Measurement Export
- ▲ Measurement Sequence
- ▲ Report Generation
- ▲ Image Database

We have integrated our instrument-based PCI software with our server-based Quartz LIMS software to create complete solution where everything flows seamlessly from start to finish.

A robust and powerful system that will significantly increase lab productivity and is the only complete Laboratory system that handles images as first-class passengers.

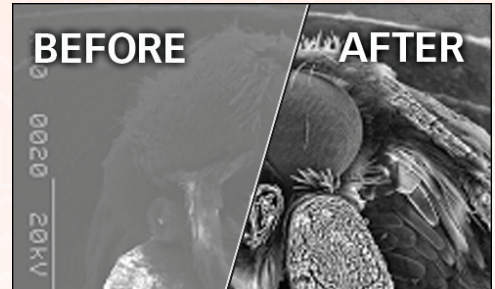


IMAGE PROCESSING

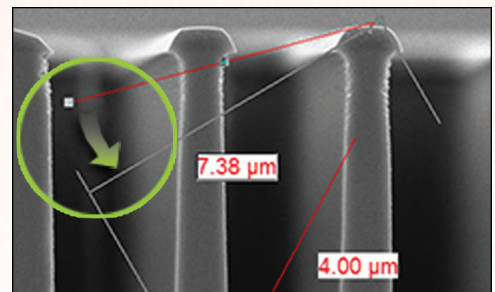


IMAGE MEASUREMENT

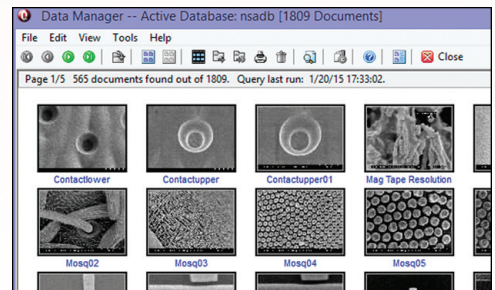


IMAGE DATABASE

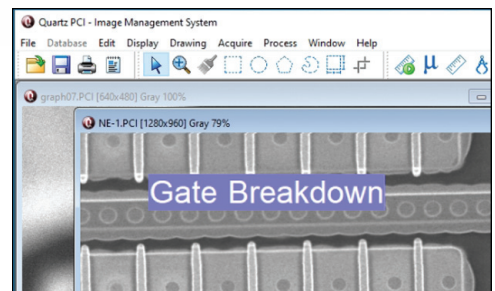
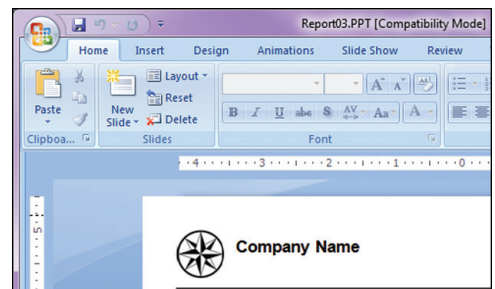


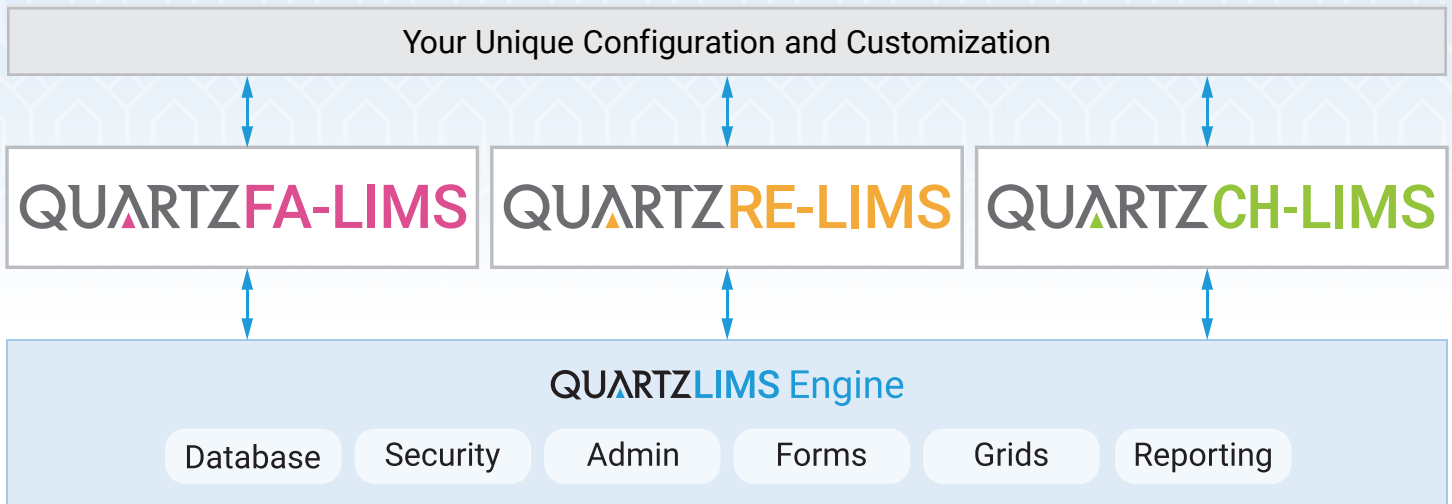
IMAGE ANNOTATION



LABORATORY REPORT GENERATOR



# Quartz LIMS Architecture



- ▲ All of the Quartz LIMS components operate on the same database and they all use the same administration and security tools
- ▲ This allows for great flexibility on how Quartz LIMS can be deployed throughout your company's labs
- ▲ Quartz LIMS is the only LIMS system that handles images as first-class passengers
- ▲ We are experts in providing highly configurable LIMS systems that can support many types of data, whether your lab works with individual samples or batches of samples

**Trust the Experts in LIMS for High Technology**



**QUARTZ IMAGING CORPORATION**  
FOR A FASTER, SMARTER LAB

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