

A COMPLETE LABORATORY SOLUTION

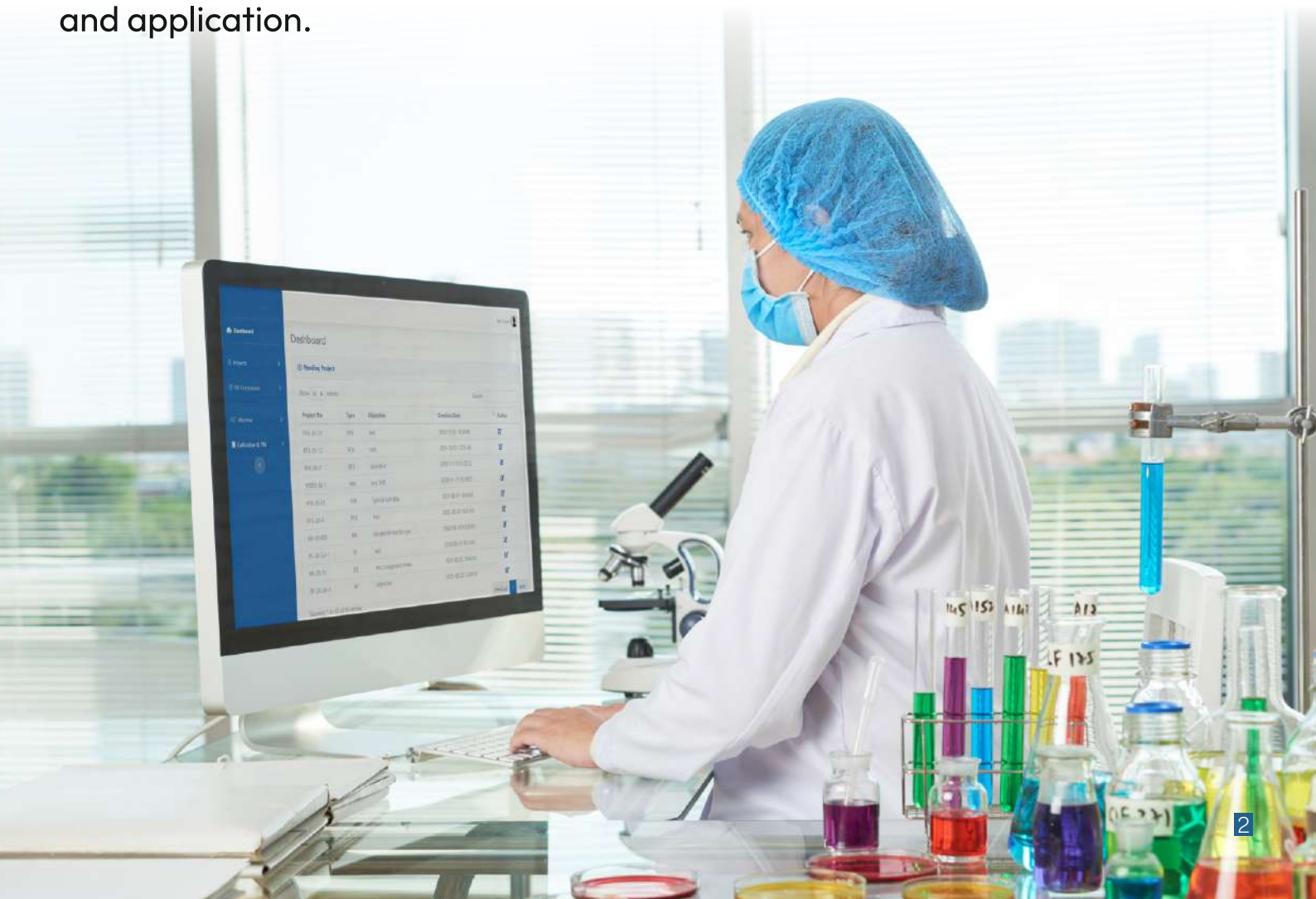


WHAT IS A LIMS SOFTWARE?

A LIMS, or laboratory information management system, is a type of software that keeps track of data linked with samples, experiments, laboratory workflows, and devices to improve lab productivity and efficiency. A LIMS functions as an extension of your team, automating processes and tracking all of the critical sample information, data, workflows, and QA/QC results generated by your lab each day.

A modern LIMS has progressed from a sample-based tracking system to the lab's digital backbone. LIMS can also be defined as a tool for managing efficiency and costs. A LIMS does more than simply keep track of your samples, scientific data, and outcomes. It enables you to actively manage your complete lab process, from instrument upkeep and samples to personnel and processes.

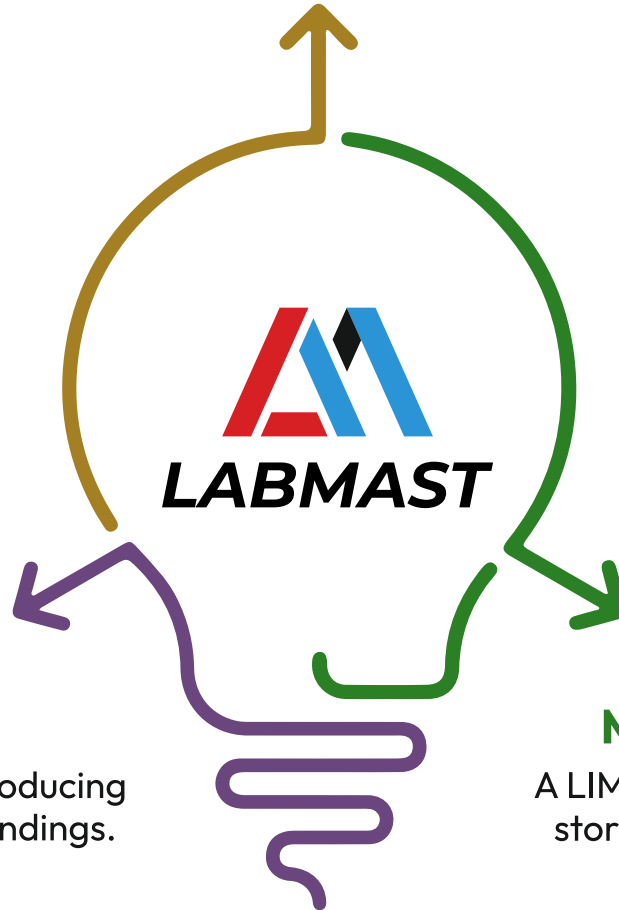
LIMS aid in the management of enormous volumes of lab data and the adherence to tight standards, while also boosting efficiency and turnaround times, enabling automation, and more. Our LIMS software modules are flexible enough to be employed in a wide range of laboratories, both in size and application.



A LIMS CAN AID IN THREE WAYS

EFFICIENCY

A LIMS enables labs to automate and accelerate time-consuming processes.



ACCURACY

A LIMS assists labs in producing repeatable, accurate findings.

MANAGEMENT

A LIMS enables labs to swiftly store and retrieve findings.

LIMS software assists labs in meeting regulatory requirements such as GMP, FDA 21CFR Part11, and GLP by encapsulating what they do and how they do it, allowing for more efficient lab administration.

The Advantages of Using A LIMS System Automates Routine Laboratory Administration Duties

- Easily integrates your lab's instruments and systems.
- Increases your laboratory's capacity and profitability.
- Increases reliability by lowering the possibility of errors happening.
- Real-time reporting enables faster, smarter, more informed decisions. It also increases efficiency by improving processes and data management.
- Provides information when and when you need it, on-premises or in the cloud; enables instant access to the right information at every stage of any process
- Ensures that all work is following regulatory requirements and current best practices.
- Automatic audit recording and revision control improve data integrity.

CAPABILITIES OF LIMS SOFTWARE

Sample Management, Accessioning, And Tracking

To maintain sample integrity, data quality, and a proper chain of custody, good sample management systems are required. Shipment management, accessioning, and inventory management are all examples of sample management capabilities.

Instrument Administration

Monitor the condition of the lab's instruments, as well as schedule work and maintenance. Manage storage capacity and freezers across facilities to ensure that solutions, reagents, samples, and other items are kept in the right conditions.

Inventory Tracking

Inventory and storage management services keep track of where objects have been stored and how long they have been there. LIMS software manages stock inventories and reagents and can provide reorder signals automatically.

Laboratory Administration

Understanding your team's overhead and capacity is critical for calculating timetables, reporting on response times, and funding initiatives. View a comprehensive list of samples that are queued as well as their status.

SOP Observance

Workflows walk analysts through each step of a procedure to confirm SOP compliance and capture the entire process history. Drive quality and compliance by repeatable technique and process execution.

Workflow Functionality

Users may quickly create workflows that correspond to real-world laboratory procedures, automating choices and actions and decreasing the need for user participation. Laboratories are easily adaptable to new methodologies and process adjustments.

Connectivity and Integration

LIMS software can communicate with corporate systems such as Enterprise Resource Planning (ERP) systems and Manufacturing Execution Systems (MES), as well as laboratory systems such as electronic lab notebooks (ELN) and Chromatography Data Systems (CDS) Resource Planning (ERP) systems and Manufacturing Execution Systems (MES), as well as laboratory systems such as electronic lab notebooks (ELN) and Chromatography Data Systems (CDS)

Automation in the Laboratory

All the processes are automated which saves your time and effort.

Collaboration

Collect and securely share data in real time with collaborators in your lab or around the world.

Compliance

Secure system access and capabilities to meet the most recent industry requirements and data integrity guidelines, such as GxP, ISO 17025, and FDA 21 CFR Part 11. requirements and data integrity guidelines, such as GxP, ISO 17025, and FDA 21 CFR Part 11.

Security

Cyber security is essential for maintaining data integrity and business continuity. Secure data and system access, whether on-premises or in the cloud.

LIMS On the Go

A mobile LIMS application makes functionality available via tablet whenever an internet/network connection is available, allowing you to take the LIMS with you to execute procedures and collect and process samples.

Data Visualization and Dashboards

Data in the system can be viewed through reports and dashboards, allowing laboratories to track overall laboratory performance and allocated work.

Data Analytics and Reporting

The LIMS allows information to be reported on, shared, analyzed, and audited. Users may work with data in context since all relationships and information are captured.

Data Archival

Ensure proper electronic records preservation and data archival to meet the most recent regulatory standards



Deployment the Cloud or On-Premises

The ability to install a managed infrastructure, which includes servers, operating systems, and databases, as well as backup, disaster recovery, and information security monitoring, lowering initial hardware and continuing IT expenditures.

Connectivity and Integration

LIMS software can communicate with corporate systems such as Enterprise Resource Planning (ERP) systems and Manufacturing Execution Systems (MES), as well as laboratory systems such as electronic lab notebooks (ELN) and Chromatography Data Systems (CDS) Resource Planning (ERP) systems and Manufacturing Execution Systems (MES), as well as laboratory systems such as electronic lab notebooks (ELN) and Chromatography Data Systems (CDS)

The screenshot displays a LIMS dashboard interface. On the left is a blue sidebar with navigation options: Dashboard, Project Types, Projects, DC Compound, and Machine. The main content area is titled 'Dashboard' and features a user profile 'Manny Jah' in the top right. Below the title, there are three expandable sections: 'Rejected Project', 'Unassign Project List', and 'Completed Project'. The 'Unassign Project List' section is active, showing a table of 21 entries. The table has columns for Project No, Type, Objective, Lab Type, Creation Date, and Action. The first 10 entries are visible, with a search bar and a 'Show 10 entries' dropdown above the table. A pagination control at the bottom of the table shows 'Showing 1 to 10 of 21 entries' and buttons for 'Previous', '1', '2', '3', and 'Next'.

Project No	Type	Objective	Lab Type	Creation Date	Action
PFX-20-13	PFX	test	Both	2020-12-01 18:30:48	
PFX-20-12	PFX	test	Physical	2020-12-01 17:37:44	
PFX-20-10	PFX	urgent	Analytical	2020-12-01 17:02:41	
PFX-20-9	PFX	test	Analytical	2020-12-01 16:58:18	
PFX-20-8	PFX	BM Analysis for 11R20 JK JUC3	Physical	2020-11-25 12:51:49	
PFX-20-7	PFX	objective	Physical	2020-11-11 21:32:32	
TEST1045	PF	test edit project	Both	2020-11-03 11:50:55	
AE-20-0014	AE	mixed test cases	Analytical	2020-09-09 15:02:37	
AE-00-012	AE	mixed test cases	Analytical	2020-09-08 12:26:43	
BR-20-004	BR	do special test for tyre	Analytical	2020-09-04 18:55:48	

WHAT ARE THE MOST IMPORTANT FACTORS TO CONSIDER WHILE CONSIDERING LIMS SOLUTIONS?

New LIMS systems might be created in-house or purchased commercially. Endel Digital's LIMS solutions allow labs to focus on what they do best rather than designing bespoke solutions that can be difficult to test and maintain.

Selecting the appropriate software has a significant impact on the efficiency, dependability, and validity of your job.

A decent commercial LIMS should include the following features:



Be easily adaptable to fulfill unique customer requirements and then adapt to the lab's ever-changing demands



Provide sample management throughout its life, which may involve storage, the chain of custody, and other particular requirements for biobanks, stability studies, and so on



Use simple interfaces with role-based access control to sample, test, and manage data



Allow for adaptable interfaces to instruments and third-party systems



Manufacturing
Process Digitisation



IOT Sensors



SCADA
Integration



AI - based trend
Analysis

GATEONE

Secure Gate
Management



Weighing
Automation



Quality
Testing Process
Management

FL=ETAI

Dispatch
Management
Solution



Dispatch Management For
India's Largest RMC
Company

Visitor Management and
weighing automation system for
World's second largest refinery

Weighing automation and Visitor
Management System for Largest
cement company in Uganda



Visitor Management and
weighing automation System
for largest oil and gas
exploration company in
Nigeria

PIMS (Plant Information
Management) Enhanced plant
information management system,
streamlining data insights and
boosting operational efficiency.

LIMS (Laboratory
Management) and inventory
management solution for
complete tyre testing and
R&D lab.



ARCHIRODON



Comprehensive weighing
automation solutions across
global EPC operations, tailored
for efficient project execution.

Complete port logistics
movement monitoring
solution to enhance security
and visibility.

Godrej Agrovet- farmer
management system for palm
oil production
Godrej Construction- weighing
automation across all sites in
Maharashtra region

Secure gate management | Weighing automation
Quality testing process management | Dispatch management solution

Contact Us Now
To Know More

Endel Digital Solutions Pvt Ltd

A- Block, 8th Floor, Swati Trinity,
Nr. Shantipura Circle, Outside Applewood
Township, Ahmedabad – 380054, Gujarat, India.

Phone No : +91 99796 12342

Email : info@endel.digital

Website : www.endel.digital



Recognised by Indian Government as an innovative startup in business analytics & intelligence

#startupindia

gusec

OPC UA