

**MAXIM-LIS**

[www.birlamedisoft.com/product-maxim.html](http://www.birlamedisoft.com/product-maxim.html)



**Birlamedisoft**  
Computing Beyond Imaginations



# MAXIM-LIS

Web Based Laboratory / Diagnostics Centre  
Management Software  
(Intranet and Internet Version)

By

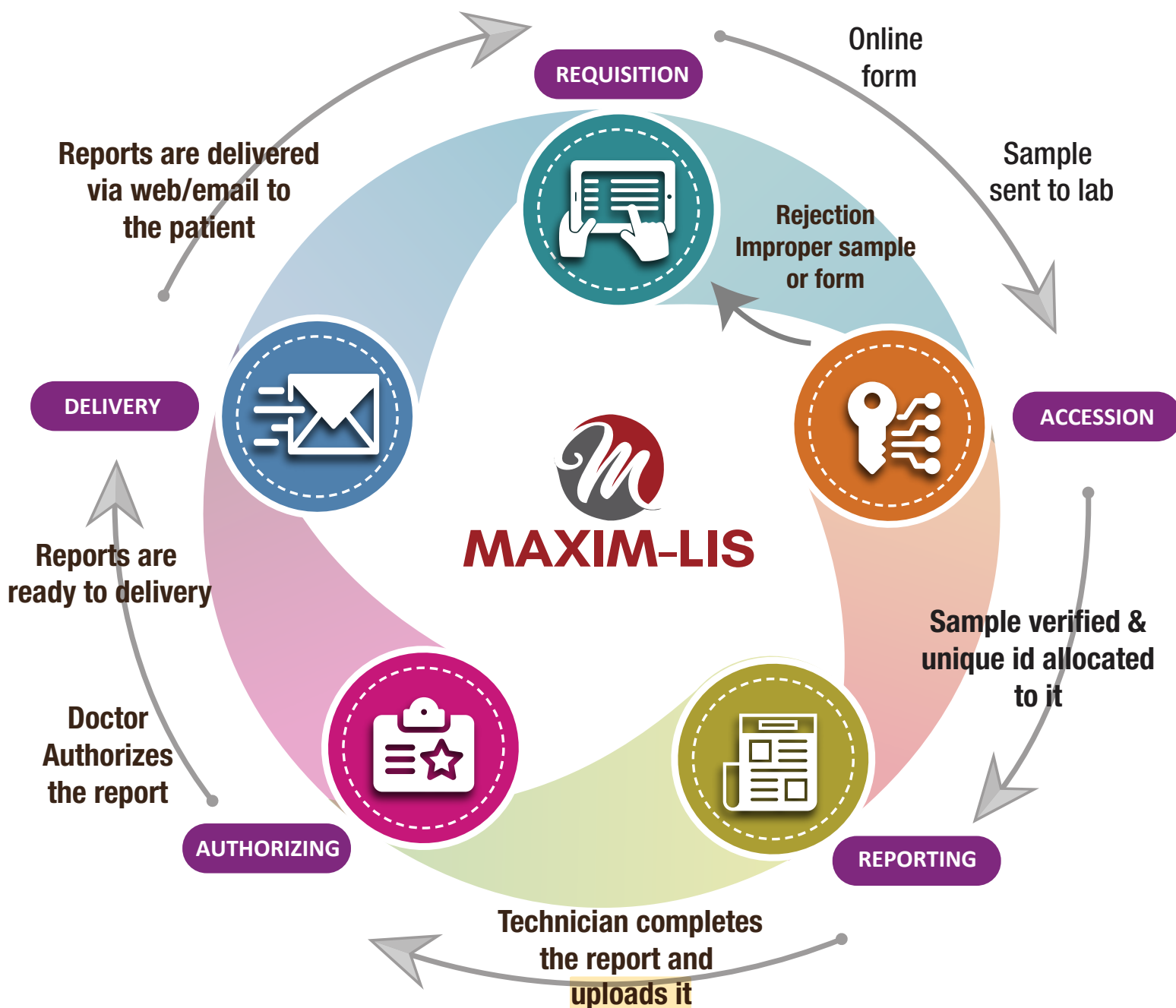
**Birlamedisoft**



**MAXIM-LIS**

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# Working of Maxim-LIS



# About Maxim-LIS



Laboratories or Diagnostic Centres today are expanding in terms of reach and services. Chain of diagnostics centre or Central processing unit with many sub-centres or collection centres need to be inter-connected so that data is transferred in real time.

Birlamedisoft **Maxim-LIS** is powerful laboratory information management systems (LIMS) that enable labs to manage complex processes, ensure regulatory compliance, and promote enterprise-wide collaboration. **Maxim-LIS** is a Web-based, off-the-shelf solution designed for a wide array of laboratory environments, operating in various disciplines and industries.

We have hundreds of successful LIMS implementations across the globe in Clinical, Analytical and Biotech sectors.



## **Maxim-LIS**

Web Based Diagnostic Center Management System

**Software Developed by Birlamedisoft Pvt. Ltd.**

# Introduction to Birlamedisoft



**Birlamedisoft®**  
Computing Beyond Imaginations

**Birlamedisoft Pvt. Ltd.**, An ISO 9001:2008 An ISO / IEC 27001:2013 Certified Organisation company is a dedicated Health Informatics Company today. Birlamedisoft has a talent pool of professionals with healthcare domain, Information Technology and management expertise. There are more than 10,500 satisfied customers across the world that are using Birlamedisoft Healthcare Software solutions in Hospitals, Laboratories, clinics, pharmacies, Blood banks & diagnostic centres. Today in every corner of the World, Birlamedisoft medical software's are being used. Birlamedisoft has become the **"Brand Of Choice"** in healthcare software today.

## MISSION:

To write 'Doctor Friendly' programs for Medical Professionals, and to make Birlamedisoft™ a ubiquitous medical software brand that is synonymous with the best in quality and the most useful of medical software programs. It has to be the brand of choice. Its' brand equity must reflect the values associated with the brand.

## VISION:

To empower every Healthcare Professional with the 'Power of the Computer' by making computing software that is Usable, Comprehensible and Affordable to the most ordinary healthcare professional, running a small practice anywhere in the world.

## EXPERIENCE:

Birlamedisoft has devoted more than 5500 man-years in developing Healthcare software.

## TEAM:

- A Highly Motivated and Dedicated Management Consultants, Programmers & Operations Team.
- In-depth relevant Experience in Development & implementations of Hospital Management, Pharmaceutical, Diagnostics, Blood banking, Medicine & Medical informatics software solutions.
- A panel of renowned doctors as consultants on its board for the development of medical software.





# What is Maxim-LIS?



**Maxim-LIS** is online virtual Laboratory management software which allows operating Pathology labs and Diagnostics Centres through internet or Intranet.



**Maxim-LIS** is a full-featured web based, N-tier architectural Laboratory Information Management System (LIMS) integrated into the Windows environment. Maxim-LIS is one of the world's first client configurable LIMS products, providing an unparalleled degree of client involvement in adapting the software to their specific needs.



**Maxim-LIS** is Low risk, Maintenance Free software. There are no installations on multiple computers anywhere. Maxim-LIS gets installed only on the server and operates thru Browser. It gives high returns on investments.



**Maxim-LIS** is very affordable. It has a robust database system to handle large data with critical needs to ensure a high level of data security. It's HIPAA (Health Insurance Portability and Accountability Act) compliant software with 128 bit encryption system embedded.



**Maxim-LIS** can be deployed remotely, No waiting period, which means a reduction in deployment time. Maxim-LIS helps in training and configuration needed for your workflow right away, shortening the overall time to Go Live.



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**Maxim-LIS** helps in freeing up of your IT resources, allowing them to concentrate on maintaining the existing systems well, rather than giving them even less time to attend to quality assurance and pro-active improvements in performance.



**Maxim-LIS** is easily upgradable. Upgrades may be applied when ready and consistently across everywhere. You don't risk faulty deployment of fixes, upgrades or versions, and you always have the latest and greatest software.



**Maxim-LIS** is ideally suited to offering more than one application. Along with Maxim-LIS you get CRM (Customer Relationship Management), Time Tracking, Help Desk, e-Commerce, Accounting, Inventory, SMS sending, Dashboards and more, plus additional programs available for purchase/download.



**Maxim-LIS** is able to send lab reports to Individual patients and collection centre via internet anywhere. Reports consist of electronic signature. As soon as report is ready, patients are notified via SMS that report is ready. Reports can be downloaded by patients directly.



**Maxim-LIS** comes with Barcode Scanning and Printing modules. Specimens are accepted by Barcodes. Barcode are generated as per International Standards nomenclature.



**Maxim-LIS** is ready to be interfaced with all types of Laboratory Instruments. Any instrument can be interfaced via Unidirectional and Bidirectional way.



**Maxim-LIS** is ready to be interfaced with Medical Imaging Modalities like CT scan, MRI, X-ray, Ultrasound etc. Maxim-LIS works with Maxim-PACS (Picture Archiving and Communication System) a fully web based Tele-radiology PACS software to deliver Digital Images (DICOM) anywhere via Internet.



**Maxim-LIS** comes with Billing, Inventory and Accounting management software inbuilt in the system. It has got fabulous MIS system with Dashboards.

# Stakeholders of Maxim-LIS

## Maxim-LIS Stakeholders



**Laboratories**



**Diagnostic Centres**



**Patients**



**Doctors**



**Insurers**



# Compliance with Standards



**Food and Drug Administration  
Code of Federal Regulations Title 21 PART 11**



**College of American Pathologists**



**Health Insurance Portability  
and Accountability Act**



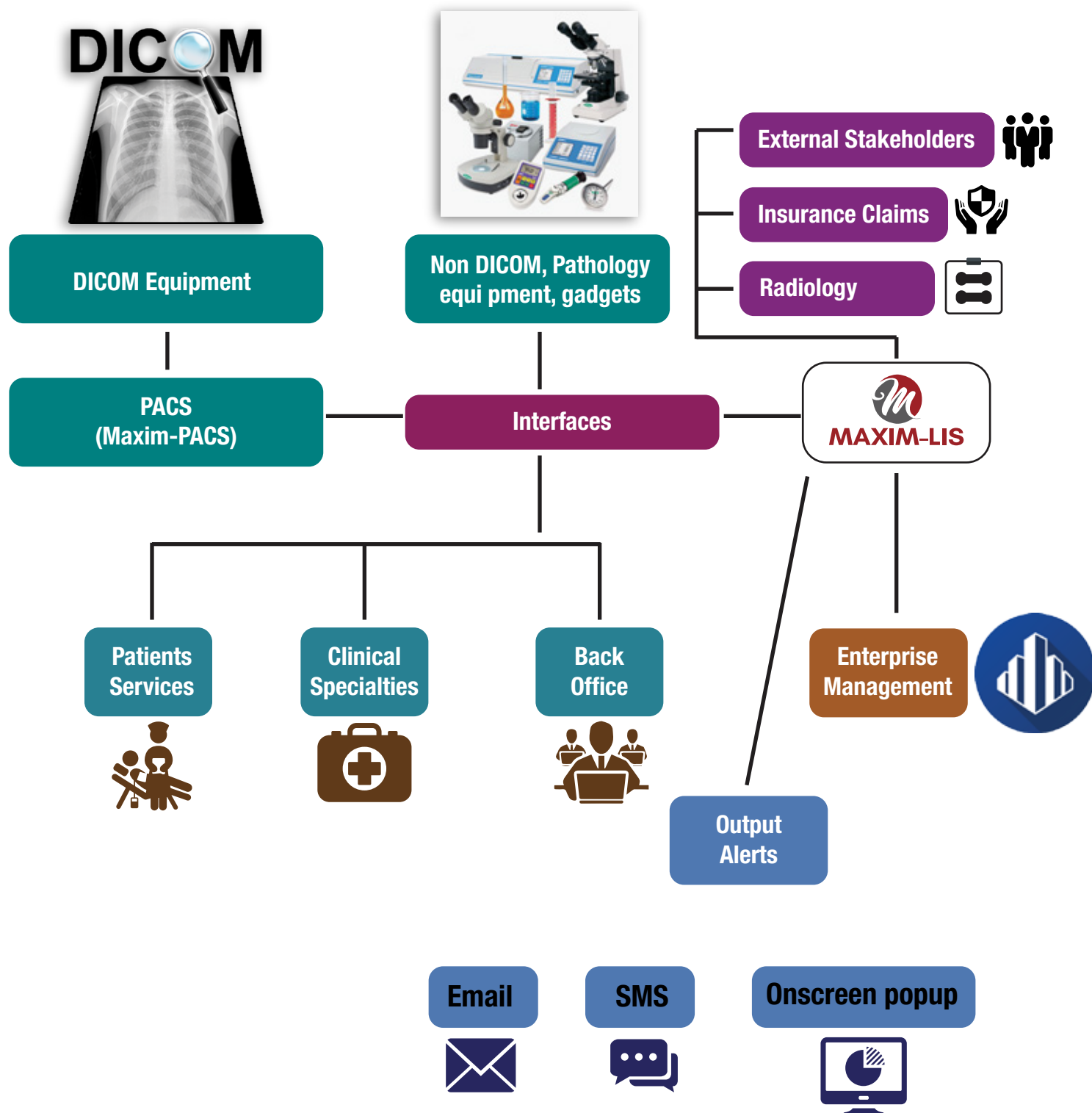
**Health Level Seven International**



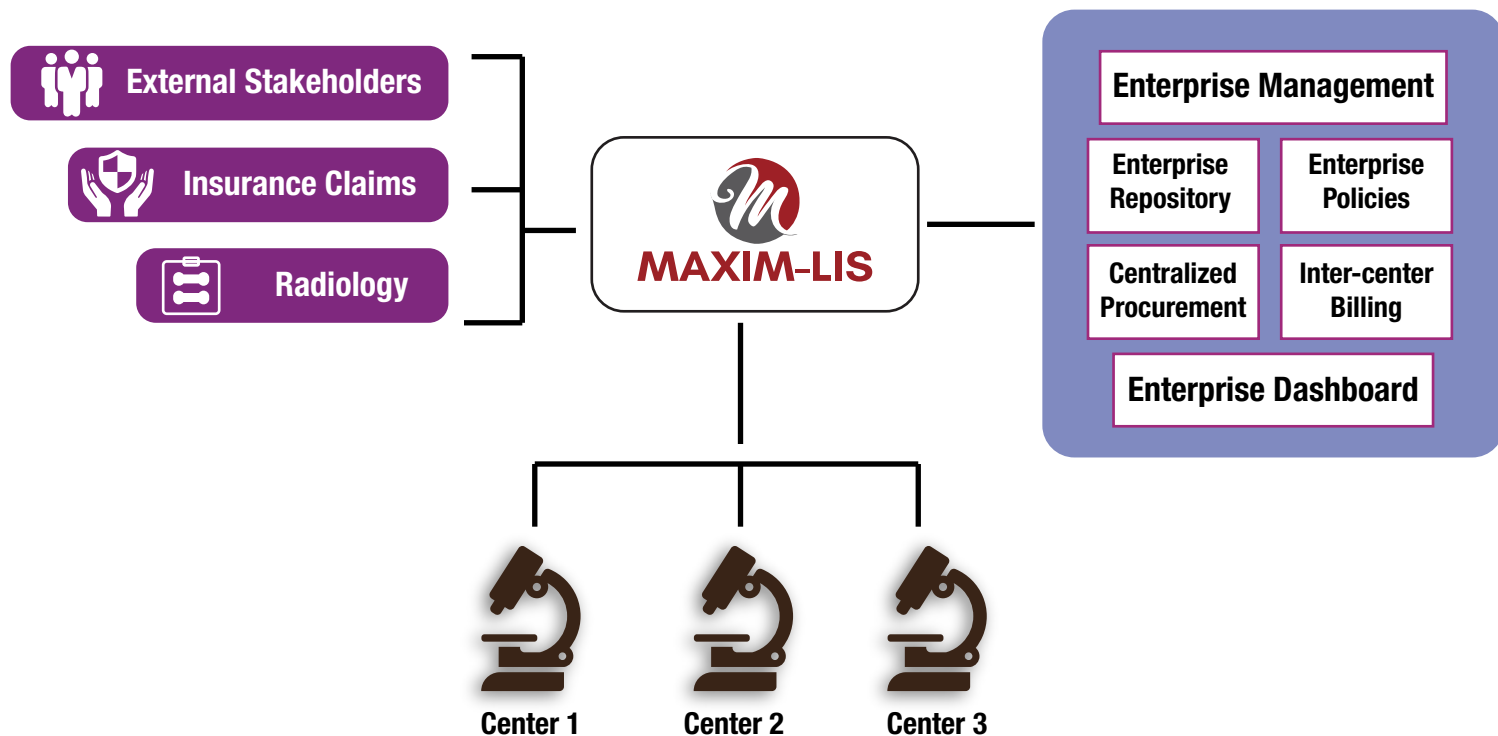
**National Accreditation Board for Testing and  
Calibration Laboratories (NABL)**



# Maxim-LIS Standalone Architecture



# Maxim-LIS Enterprise Management



# Advantages of Maxim-LIS

- No heavy initial cost of ownership.
- No upfront investment in hardware or software. *(Maxim LIS is hosted on our web server )*  
Note: Maxim-LIS can be hosted on your local server also.
- No investment for retaining plenty IT staff and manpower.
- No fear of virus or any other form of security attacks.
- No fear of server downtime or breakdowns.
- No worries on data backups.
- No space cost for setting up a server room.
- No Monthly recurring cost of air-conditioning the server room.
- No outdated software, you always have latest & greatest software.
- Covers all standards NABL, CAP, 21 CFR Part 11 and HIPAA.
- Shortened turnaround time.
- Full web content management integration.
- Powerful Search Engine.
- Available in Multilingual Formats.
- Open Query System to search any information in seconds.
- Works on databases including Oracle, SQL Server, DB2, MySQL.
- Works in decentralized and centralized environment.
- Works on all types of Windows OS.
- Ready with Bar-coding, Biometrics, Smartcard Authentication.
- Ready to connect with Legacy System. HL7 compliant.



# Features

**Maxim-LIS has made the following possible:**



## **Low initial outlay :**

Maxim-LIS online software has changed the traditional TCO (Total cost of ownership) method of owning heavily priced software. This is because Maxim-LIS eliminates the travel costs, and typically, a drawn-out RFP/Proposal process (think man-hours – and diversion from their regular work), and then one of the biggest challenges are hardware purchase of new servers, workstations, routers etc. giving you the opportunity to stretch your investment out over time, leaving a healthy cash flow available for core operations or other advancements.



## **Long Term Savings**

Maxim-LIS online software benefits without having to use your whole budget up front. It allows you to use the software for many years and you still maintaining a savings over purchasing.



## **Productivity increase**

- **Maxim-LIS** is perfect for you; it allows you to concentrate more onto business. You can setup your lab branches and collection centers virtually anywhere in the world to encompass big business.
- **Maxim-LIS** is the first of its kind completely web based software for laboratories and Diagnostics centres. ROI(Return on Investment) is very quick. You always get latest & greatest updated software anytime.



Highly secured, User friendly, reliable and seamlessly integrated web Based information system.



Clinic practitioners, pharmacists and Pathologists can share the Patient's clinical information providing better service to their consumers.



It automates the process of collecting and retrieving patient information.



Integration of Patient identification, Data consistency, and Transparency.



Access to dozens of online resources and tools to customize and build your own systems.



# Technology Utilization

## User Interface & Client

**Web Browsers:** IE, Mozilla Firefox, Google Chrome, Safari, etc.

**Operating System:** Windows / Linux



## Application Server

DotNET Framework, AJAX Development Toolkit, Web Services,  
WCF Services, IIS

## Back-End (Database Server)

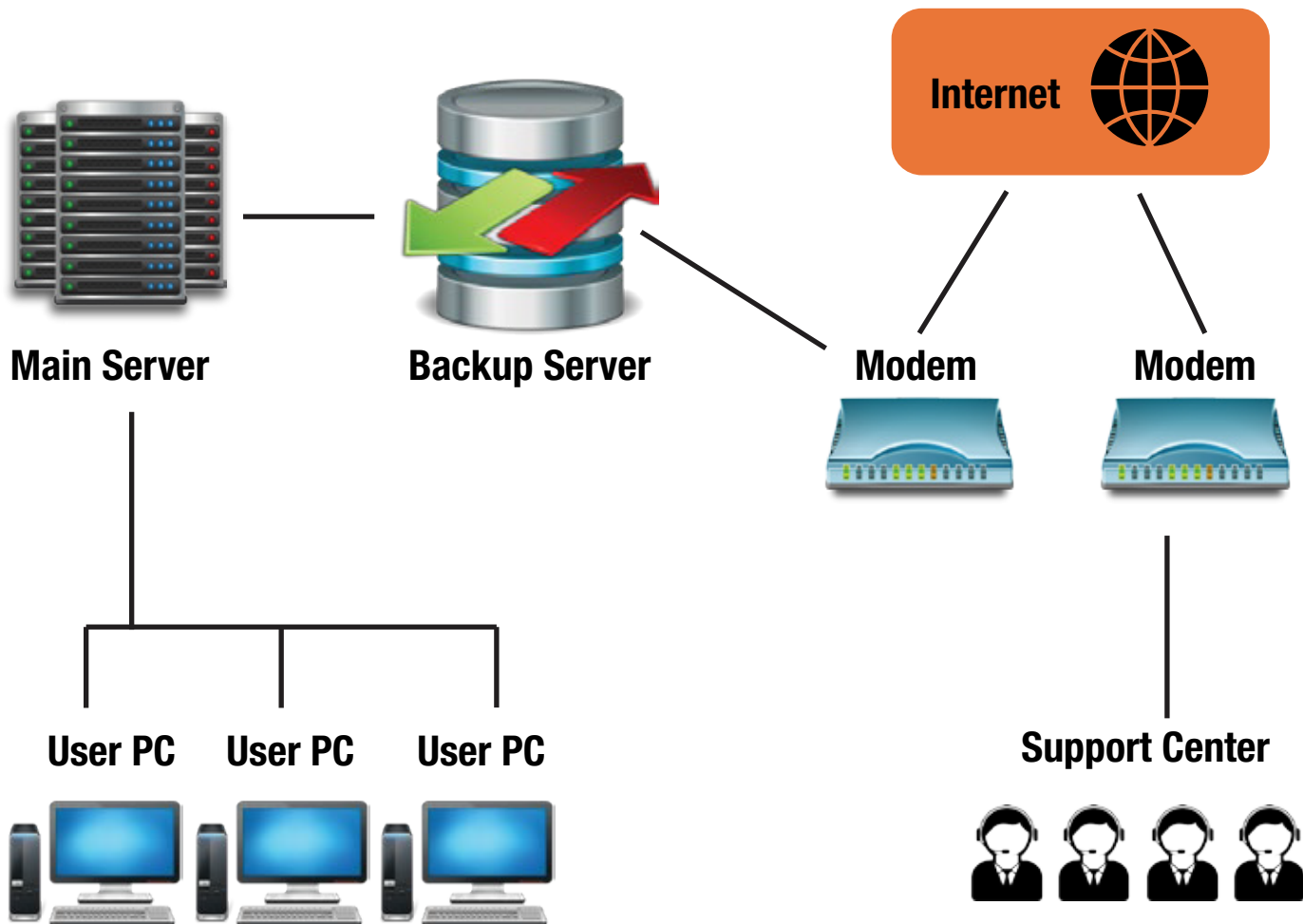
MS SQL server all versions

Oracle, DB2, MS-SQL database backend can be given.



**Hardware**  
**Intel Platform, IBM Series**

# Maintenance & Support



If you are interested to know more about **Maxim-LIS**, please check Contact Us page.

# Screenshots

## Patient Registration

Direct Work Order x

localhost:811/LAB5/DirectWorkOrder.aspx

Apps For quick access, place your bookmarks here on the bookmarks bar. Import bookmarks now...

MAXIM-LIS

Diagnostic Center

TEST REGISTRATION

Select Client: ASAVLEE- ANDHERI LAB

Monthly Client Code: Per No/Mobile No/Patient Name

LIST

Available Balance: Rs-11440/-

Initial: Mr Patient Name: karnish Gender: Male

Buffer Balance: Rs- Buffer Balance: Rs- Non Clear Balance: Rs-4200/-

Age: 25 DateOfBirth: 07/03/1993 Mobile No: 9225552180 Sample Drawn Date/Time: 07/03/2018 9:37:00 AM Ref Customer: user

Address: Clinical History: Remark: Ref Doctor: DR SHEETAL SAWANT - SHEET E-mail: saroj.arney@birlamedisoft.co Send Email/SMS: #Email #SMS

Select Test / Profile

Selected Tests / Profiles

Test/Profile Code	Test/Profile Name	Profile/Test	Test Rate
SL2CR	24 hrs Urinary Creatinine	Test	0

Total Amount = 0

SampleType	Test Codes	Test Names	VialID
WHOLE BLOOD	SL2CR	24 hrs Urinary Creatinine	

ADD NEW SUBMIT LAB FORM FOR OFFICE USE...

## Accession

Accession x

localhost:811/LAB5/Accession.aspx

Apps For quick access, place your bookmarks here on the bookmarks bar. Import bookmarks now...

MAXIM-LIS

Diagnostic Center

WORK ORDERS

Select Client: AS From Date: 07/03/2017 To Date: 07/03/2018

Patient Name: F Year: 01/04/2017 TO 31/03/2018 Reg.No: Barcode:

SHOW

RegNo	Patient Name	Sex	Age	Test Names	Sample Type	BarCode	Accept/Reject	Submit	Submit And Print	X-Ray Qty	Monthly Client Code
000050	Mr manish kumbha	Male	75	HISTOPATHOLOGY- SMALL	TISSUE	1700008932	Accept Reject	Submit	Submit	Define	11
000052	Mr rakesh gade	Male	55	HISTOPATHOLOGY- SMALL	TISSUE	1800008921	Accept Reject	Submit	Submit	Define	10
000051	Mr gagan kumar	Male	55	HISTOPATHOLOGY- SMALL	TISSUE	1800008911	Accept Reject	Submit	Submit	Define	9
000050	Baby test	Male	55	HISTOPATHOLOGY- MEDIUM	TISSUE	1700008902	Accept Reject	Submit	Submit	Define	8
000049	MS shilar shinde	Female	55	Bone Marrow Biopsy Flowcytometry	WHOLE BLOOD	1800008491	Accept Reject	Submit	Submit	Define	7
				HISTOPATHOLOGY- SMALL	TISSUE	1800008482	Accept Reject	Submit	Submit	Define	7
000048	Mr mahesh power	Male	55	ANTI NEUTROPHILCYTOPLASMIC ANTIBODIES (C-ANCA)	WHOLE BLOOD	1800008481	Accept Reject	Submit	Submit	Define	6
				HISTOPATHOLOGY- SMALL	TISSUE	1800008482	Accept Reject	Submit	Submit	Define	6
000047	MS madhuri pati	Female	57	HISTOPATHOLOGY- SMALL IMMUNOHISTOPATHOLOGY REPORT	TISSUE	1700008472	Accept Reject	Submit	Submit	Define	5
				CYTOTOLOGY	FLUID	1700008473	Accept Reject	Submit	Submit	Define	5
000045	Mr Nishan Shriv	Male	50	24 hrs Urinary Creatinine	WHOLE BLOOD	1800008451	Accept Reject	Submit	Submit	Define	3
000043	Mr Udit karjyan	Male	50	HB ELECTROPHORESIS-HPLC	WHOLE BLOOD EDTA	1700008432	Accept Reject	Submit	Submit	Define	7
				HISTOPATHOLOGY- SMALL	TISSUE	1700008433	Accept Reject	Submit	Submit	Define	7
				CYTOTOLOGY	FLUID	1700008434	Accept Reject	Submit	Submit	Define	7

# Screenshots

## Result Entry

Birlamedisoft Pvt Ltd | mail.birlamedisoft.com | New Tab | Test Result

localhost:811/LABS/TestResult.aspx?reg= 80% Search

**MAXIM-LIS** Diagnostic Center

Admin | Patient Registration | Accession | Patient Result | Accounts | Inventory | Search Patient

**TEST RESULT**

Reg. Number : 0000023 | Name : Mrsantosh | Age : 25 | Sex : Male

Department: CLINICAL PATHOLOGY | Select Doctor Name: Dr. Aparna Jainam | **ASSIGN DOCTOR**

Abnormal: ☒ Panic: ☐

Test Name	Test Result	Normal Range	Panic Range	Unit	Reason for Edit	Authorize	Print	Remark	Edit	Attach
CLINICAL PATHOLOGY										
24 hrs Urinary Creatinine										
Total Urine Volume	20			ML		<input checked="" type="checkbox"/>	<b>PRINT</b>	<b>Enter Remark</b>	<b>EDIT</b>	
24 hrs Urinary Creatinine	600		500-2000	mg/24 hrs						

**REPLACE SHORT FORM** | **CALCULATE** | **CHECK ABNORMAL** | **CHECK PANIC** | **SAVE ALL** | **SAVE AND PRINT**

Print Report | Back

© Birlamedisoft Pvt. Ltd.

## Bill Payment

Birlamedisoft Pvt Ltd | mail.birlamedisoft.com | Direct Cash Details | Direct Cash Bill

localhost:811/LABS/DCash.aspx?cid=1309 67% Search

**MAXIM-LIS** Diagnostic Center

Admin | Patient Registration | Accession | Patient Result | Accounts | Inventory | Search Patient

**PAY BILL**

Bill No: | Bill Date: 07/03/2018

Patient Name: mangesh mane | Reg No: 0000022

Test Code	Test Name	Test Rate
SLBLS	BLOOD GROUP	55
SLCYT	CYTOLOGY	1500
SLHEP	HISTOPATHOLOGY- SMALL	500

Other Charges: 0 | Discount Given By:

Total Bill amount: 2100

Discount: ☐ Percent ☒ Amount

Discount Percent: 0

Net Amount: 2100

Mode Of Payment: ☒ Cash ☐ Cheque ☐ Credit Card

Amount Paid: 0

Balance: 2100

Remark:

Bill To Hospital: ☐

**SAVE BILL** | **SAVE AND PRINT** | **REPRINT** | **LAB FORM**

© Birlamedisoft Pvt. Ltd.



# Connectivity – Interfacing with Devices



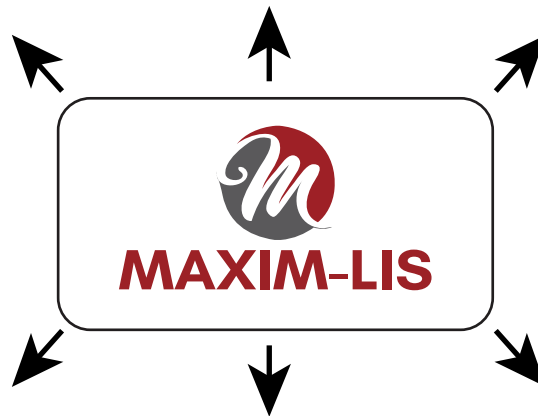
**Biochemistry Analyzer**



**Blood Gas Analyzer**



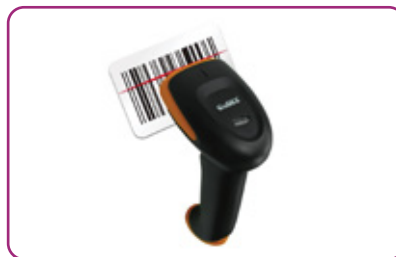
**Hematology Analyzer**



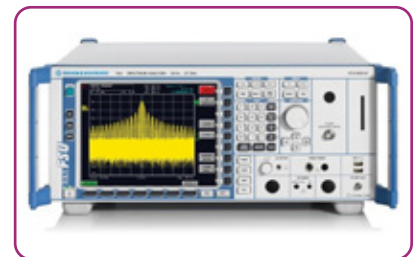
**Chemistry Analyzer**



**Barcode Device**



**Spectrum Analyzer**



**Maxim-LIS can be interfaced with a 500 variety of laboratory analyzers and instruments.**

# Connectivity with Gadgets



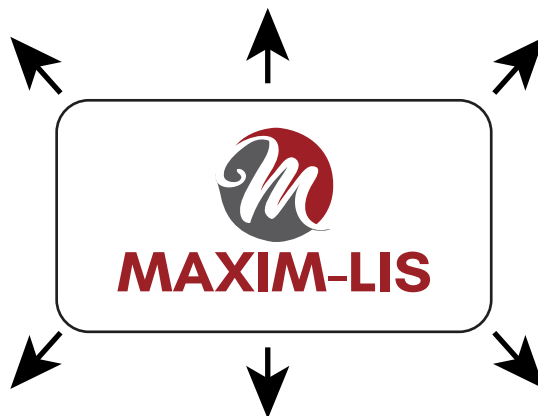
**Fingerprint Authentication Device**



**Web Camera**



**Plastic Card Printer**



**& many more gadgets ...**

**Scanner**



**Smart Phones**



**Tablet**



# Connectivity with Maxim-PACS & Radiology Software



**PACS**



**CT Scanner**



**Ultra sound  
machine**



**Laparoscopy  
machine**

**Maxim-PACS & Radiology Software**



**Maxim-PACS & Radiology Software**



# Client List



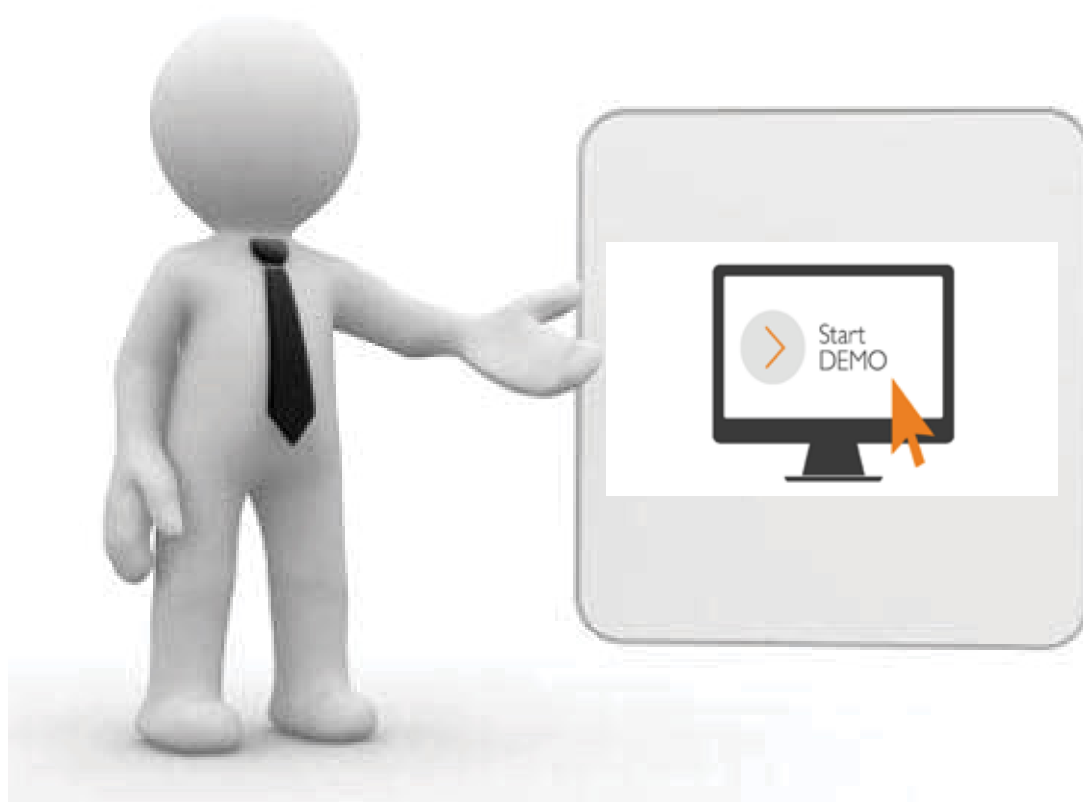
Maxim LIS is currently operational in a number of highly renowned labs across the world; they are highly benefited using this software. Below are some of our esteemed customers:





# Demo

Demonstration of Maxim-LIS can be arranged as per your convenience. This is an Online Demonstration. We assure you that you will be immensely benefited by using Maxim-LIS software for your Diagnostics center/Laboratory. If you are interested to know more about Maxim-LIS, ***please check Contact Us page.***



# Appreciation



**Birlamedisoft®**  
Computing Beyond Imaginations





**MAXIM-LIS**

[www.birlamedisoft.com/product-maxim.html](http://www.birlamedisoft.com/product-maxim.html)



**Birlamedisoft®**

Computing Beyond Imaginations

**CONTACT US**

## **CORPORATE OFFICE**

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