Autoscribe is an ISO 9001 certified software provider that specializes in database management applications, including Laboratory Information Management Systems (LIMS), Stability Management and Quality Management Systems.

For over twenty years Autoscribe’s mission has been to provide software products based on the latest and most technologically advanced developments. All of our products are designed to provide superior flexibility and features at modest prices. Autoscribe’s main goal for Matrix Gemini LIMS is to provide a system that is truly configurable and meets immediate and future requirements.

There has always been a trade-off in choosing a LIMS - configurability vs. custom coding. Our database systems feature unique, modern and genuine configuration capabilities, with no custom coding, ensuring an exact fit to customer requirements for a wide range of laboratories and processes. This superior flexibility results in fast implementation and an interface that is familiar and comfortable for each user. In addition, a product that is easy to configure results in a long system life and therefore a reduced cost of ownership.

Matrix Gemini™ is designed for any laboratory in any industry and delivers an identical user experience no matter whether you use a Desktop or the Web. Choose the connection to suit your situation and role; if you are out of your lab today, use the Web; back in your lab tomorrow, use a client on your LAN – Matrix does not mind!

Features

- Registration of samples/substances/items/etc.
- Single/Multiple sample receipt
- Sample preparation
- Work allocation
- Run sheet production
- Result entry
- Result limits
- Sample validation & approval
- Reporting
- Reference tables
- Sample archival
- Supplied with our unique configuration tools that allow you to update your system as the business needs change
- Dual Windows/Web interface for maximum user flexibility
- Scalable from single user to global implementations
- Dynamic Reporting
- Many more that may be specific to individual customers

Benefits
- Easy to use as screens are designed to your requirements thus ensuring quick user acceptance and minimal training effort
- Achieve compliance with ease
- Fast and cost effective implementation
- Built to accommodate change - long system lifetime & lower cost of ownership
- Automate business, laboratory and decision process to reduce costs and streamline operations
- And more…………………………………….

System Design & Configuration

Powerful and very easy to use Matrix Configuration Tools have always been at the heart of the Matrix success story. The tools are unique, offer flexibility and are usable by non-programmers.

All laboratories have much in common. Samples are registered; samples are received into the laboratory; resources are allocated; tests are scheduled, raw results are entered, final values are calculated and may be compared to expected values, reports are issued and laboratory metrics may be published. Most modern commercial LIMS will provide this base level functionality. While most laboratories are similar each laboratory has processes that are different. How a commercial LIMS accommodates these differences are key to its success. The Matrix configuration tools allow each Matrix system to be tailored to the individual needs of each laboratory without the need to write custom code. Matrix tools are simple and easy to use – “drag and drop”, “point and click” no esoteric scripting languages to learn!

This configurable, commercial design offers the fit of a custom solution without the problems and costs of on-going support, documentation and upgrades associated with custom coded systems.

- Configuration tools enable immediate deployment of identical user interfaces across LAN and Web
- Unlimited choice of workflow and menu designs
- Unlimited number of customer defined numbering systems
- Complete translation to your terminology
- Ideal for global implementations
The Matrix implementation has been so successful that, in just six months, we have turned around our fortunes from a department generally regarded as a cost liability, into one that is a significant asset providing added value.

- Unlimited group, role and user access levels
- Matrix Gemini LIMS provides several ways of logging samples into the LIMS
- Matrix Gemini allows all registration screens to be configured to suit individual user requirements
- Results are entered either manually or directly from instruments and systems connected to Matrix Gemini
- Manual result entry is available on a sample by sample or test by test basis. The screen, designed by the user for each test, provides a high degree of flexibility
- Multiple limits may be assigned at product, test and sample levels with differing responses e.g. reject, failed, warning, according to the value of the entered result
- Rule-based limits are also provided with the system e.g. if customer is x, use limits a to b; if customer is y use limits c to d
- Multi-level sample validation and approval stages may be configured to suit the needs of a particular laboratory/organization

Multiple workflow interfaces can be used and they can be individually configured to suit different work practices.
Dual Web/Desktop Interface

Autoscribe designed Matrix from the beginning to deliver a dual web/desktop interface. There is no compromise with Matrix Gemini LIMS. Matrix Gemini LIMS provides the following advantages with our web interface:

- Once a screen is configured for the desktop, it is immediately available via the web
- Zero footprint client
- Web functionality is identical to the desktop functionality
- Interfaces can be configured for customer access or full lab user access
- Can be used with multiple browsers on most mobile devices

Statistical Process Control

Matrix Gemini LIMS provides built-in statistical process control charting. This includes histograms, R-charts, moving R-charts, Trend charts, X charts and Individual X charts. These charts are integrated into Matrix screens and can be included on any screen. The charts allow for display of statistical data. The designer of the Matrix screen has complete control over the SQL statement used to retrieve data for the chart. So like everything else in Matrix, the charts are very flexible.

Instrument Integration

Matrix Gemini LIMS offers multiple ways to import results from instrumentation. In addition, an instrument run list can be generated in LIMS with quality control samples. The run list can then be exported to most instruments to provide bi-directional communication.

- Matrix provides result import through its .NET-based API
- Plug-ins have been written for a variety of instruments
- Import results directly from Excel using the LIMS API
- A CSV result import utility is standard with every system
- QC samples can be automatically logged in during the import process
- Result import can include final and raw results

Software Specifics

- Developed using the Microsoft .NET framework using C#
- Dual desktop/web interfaces

Because We Care

“Hundreds of users have confirmed the capabilities of the new system. The complex querying function, rapid registration of thousands of samples, and customized menus and options have made this a system users will be proud to use and will save us cycle time.”
Matrix works with both SQL Server and Oracle databases

Supported browsers: Internet Explorer, Chrome, Firefox, Safari

Integration with Microsoft Active Directory

.NET based API (Application programming interface)

Integration with Crystal Reports

Complete audit trail

Facilitates for example ISO17025, ISO9001, FDA 21CFR11 compliance

Event logging

Easily scalable from a single department within a site to an enterprise wide implementation involving multiple sites

Barcode ready leading to improved operational performance

10 Reasons why Matrix Gemini is the preferred choice

- Matrix systems are designed for change
- Matrix systems are built to your design not ours
- Matrix systems are supplied with a unique set of configuration tools
- Matrix systems provide a dual Windows / Web interface
- Matrix systems are scalable
- Matrix systems have outstanding record for customer satisfaction
- Matrix systems have been developed in a Microsoft.NET framework
- All Matrix systems use the same core code
- Help desks are staffed by Matrix experts
- Minimise business risk by choosing Matrix
Additional Modules

Matrix options expand the functionality of our core product. Our options include the following:

- Inventory Management
- Matrix Electronic Notebook
- Matrix Scheduler (schedule LIMS tasks)
- iPlanner (automated instrument scheduling)
- Frequency Testing (reduced lot testing)
- Grading (grade products based on specifications)
- SPC Charting
- ICMS - Instrument Calibration & Maintenance
- Bulk Sample Registration

Industries

- Analytical Services
- Biotechnology
- Chemicals / Polymer
- Contract Labs
- Food & Beverage
- Material Testing
- Medical Devices
- Pharmaceutical Manufacturing
- Biobanking
- Petrochemical
- Pharmaceutical R & D
- Utilities
- Water / Waste Water
- Contract Stability
- Pathology
- Metals / Mining
- Radiochemistry
- Veterinary

And many more..................
Delivering Configurable Future-Proof Solutions

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