Laboratory Information Management System

Linking lab with production

> Optimize your laboratory workflow
> Significant cost saving through automation
> Integration with your plant floor and business systems

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A LIMS Solution that Delivers World Class Products

The intensity of competition in today’s global economy mandates that manufacturers push laboratory testing and measurement device management to its absolute limits in order to squeeze every bit of performance possible out of a product.

The rising number of regulatory concerns and standards and the increased volume of tests with fewer resources mean that labs need to continuously improve workflows. Optimization has to move forward without increasing staff and with minimum training.

The ASI DATAMYTE’s LIMS Solution optimizes workflows, automates tests according to the standards and supports lab personal with instructions and documentation all the way to creating certificates and reports.

Standards-Driven

Working with leading standards ensures interoperability and allows you take full advantage of the benefits of complementary technologies. The LIMS Solution incorporates standards and features specifically developed to meet the needs of the production laboratory. It brings together complete test planning, sample administration, inspection results documentation, test certification, resource management and lab KPI’s. The platform provides standardized interfaces to material test systems of all types.

Standardized tests, data and reporting ensure comparability of results between laboratories and production lines.

Compliance with Confidence

The ASI DATAMYTE LIMS Solution supports DIN, ISO 9001:2000, IEC 17025 and FDA 21 CFR part 11 and provides all you need to achieve accreditation and maintain compliance. ►QDA includes features that address resource management requirements such as documentation of staff qualifications, role definition, responsibilities and equipment resources. It also facilitates precise description of all phases of testing, test validation and an overview of your quality management system. Planned tests that are scheduled on a daily or shift basis can be automated and optimized. ►QDA’s flexibility means that you can also react quickly when production problems or customer complaints require an immediate and creative test plan. The software incorporates standard work instructions, regulations, test device calibration and service instructions, and other administrative features. This ensures adherence to documentation and filing requirements and guarantees inspection certification and compliance.

Management can supervise the lab process, react to bottlenecks in workflow and ensure regulatory demands are met

Automated and Easy

Creation of master/reference test plans and inspection schemes are easy using ►QDA. Thousands of modifications in tests across the board can be generated from a single master with just a few mouse clicks.

Features and functionality adapt flexibly to your existing practices and laboratory workflows. The software includes a personalized certificate and report builder using an integrated form builder or Word templates. Integrated administrative features help created and manage orders fluidly while ensuring adherence to standards.

Exchanging test data and reports between laboratories and production facilities provides a
clear and accurate basis for comparison. Data can be secured and archived from a central location, providing planners with firm control and a means to keep errors out.

Visibility of the related costs of all your tests allows you to make cost efficient decisions and supports inter departmental and external billing processes.

ASI DATAMYTE’s LIMS Solution helps you bring a better product to market at an accelerated pace. It creates a structured, precise approach to troubleshooting based on accurate live data feeds. Disciplined testing anchored in comprehensive detailed data makes for better decision making. The quality problem solving process becomes reproducible, and it adds validity and integrity to laboratory and production operations with each iteration. The quality gains in materials carry through to overall product quality.

The LIMS Solution reduces paperwork, errors and uncertainty, and speeds things up, such as faster releasing of production orders. The time frame between identification of an engineering challenge or task and resolution becomes easier to reliably forecast. It also becomes much shorter, giving you the competitive edge you need.

**Integration Lab-to-Line**
The ASI DATAMYTE LIMS Solution connects and integrates laboratories with production operations, regardless of location. The solution optimizes workflows from a centralized testing platform. The system interfaces and interoperates with a broad variety of measurement and test devices, including legacy systems. Our long standing relationships with leading test equipment vendors facilitate efficient interfacing. ►QDA captures and organizes data automatically and supports analysis with documents and images. It is customizable and easily integrates into existing operations without requiring new database development. Existing processes remain intact and are enhanced.

With the ASI DATAMYTE LIMS Solution, built on the ►QDA software platform, it is possible to control the quality of distributed manufacturing operations from one central laboratory or an integrated cluster of distributed laboratories. The solution leverages the web and data links to download configurations and process information to remote testing machines electronically. This bypasses common sources of error and gets the required data in place immediately.

As an integrated platform, access is provided to other solutions within the ►QDA suite, empowering interaction with Data Collection, SPC, Supply Chain Management, Integrated Quality Planning systems and more.

**ASI DATAMYTE revolutionizes efficiency in LIMS implementations**

►QDA also provides a standard interface with ERP systems for handling of master data and inspection orders with feedback. A production order originating from the ERP system can be imported, tested and validated. The results can then be fed back to the ERP system complete with observations, recommendations and specific documented corrections. ►QDA creates inspection certificates automatically based on production order data and attaches relevant process documentation. It can also distribute raw material test data to multiple production orders, streamlining logistic and production processes.

**Customized with Standards**
A major advantage for the user is that the ►QDA system is fully developed, market proven and ready to use. At the same time it has the flexibility to be customized to the specific requirements of your environment. ASI DATAMYTE will leverage its expertise at every customer to optimize workflows and ensure a fast and cost efficient implementation. We help you to create specifications to address your unique challenges.
ASI DATAMYTE’s Laboratory Information Systems Solution reduces paperwork, errors and uncertainty and optimizes laboratory workflow, from data collection to the certificate of analysis. It integrates manufacturing operations with other business areas and generates cost savings through automation and better utilization of resources.

**Major solution benefits and key features**
- Optimize your laboratory workflow
- Significant cost saving through automation
- Integration with your plant floor and business systems, ERP, MES, QMS
- Management of equipment, cost and human resources
- Integration of test equipment, from legacy to the latest systems
- Specimen management
- Supports metallurgy, chemistry and mechanical labs
- Supports releasing, approval and validation processes
- Specimen tracking and status monitoring
- Test creation on company or international test standards
- Diagnostic testing and evaluations