

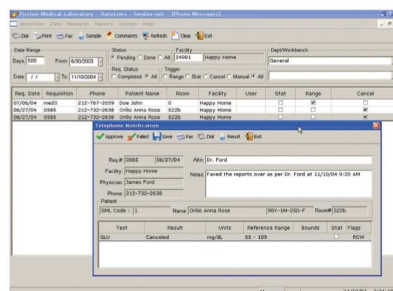
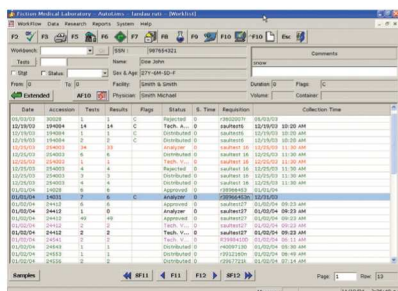


The **AutoLIMS®** package maximizes clinical laboratory productivity, efficiency and profitability through technological superiority, breadth of features, accuracy, ease-of-use, and careful attention to customer needs. **AutoLIMS®** broad suite of modules covers the entire spectrum of the laboratory process. While mainly developed for the clinical process, **AutoLIMS®** suite completely covers all the administrative (including billing, automated voice response etc), managerial (statistical, work load, etc) and IT (reports generation and even network management) aspects of the laboratory environment. **AutoLIMS®** is definitely the most advanced and comprehensive Laboratory Information System available today.

FEATURES / BENEFITS

- **AutoLIMS®** clean, intuitive, and concise graphical user interface makes navigation simple, fast and easy to use.
- Common database for all tests and departments, laboratory customers and patient encounters, ensuring current, comprehensive and accurate information with no managerial overhead.
- User-defined logic, data tables, configuration options and external reports allows the system to adapt to any laboratory process, organizational structure or need. Regulatory, legislative, reimbursement variations and procedural changes can be incorporated on the fly.
- Enhanced revenue capture through physician-or-provider-specific pricing, interpretive reporting, remote inquiry, electronic submission and remittance, and unlimited services pricing structures and methods...
- Technical superiority - Object Oriented design and implementation. Written completely in C++ and Java. O/S freedom (Windows, Unix, Linux).
- Free choice of relational database (Such as Oracle, MS SQL Server, etc).
- Extreme flexibility - (almost any system behavior is user definable or customizable), fault tolerant, scalable to all lab sizes.
- Open system - user can define his/her reports, and "hooks", modify existing reports (system reports are based on the XML Web technology).
- Extreme stability - close to 100% up time. Maintenance and backup operations run while system is active.
- Extreme scalability - enables high capacity laboratories (over 300,000 results per day), real modular.
- All standards of interfacing supported (HL-7, ASTM, etc) as well as generic third party.
- Compatible with all common clinical standards (SNOMED, ICD9, CPT4, CAP).

Setting the Trend for Others to Follow



State - of - the - art Laboratory Information System from NeTLIMS



Autolims Modular LIS Overview

NeTLIMS' worldwide success is due to its flagship product, **AutoLims[®]**, and its unsurpassed customer service. **AutoLims[®]** is a powerful and intuitive, easy-to-install laboratory information system (LIS). **AutoLims[®]** covers all aspects of clinical lab operation, while providing lightning-fast responsiveness. It is comprised of a broad suite of very scalable and flexible advanced software modules, which can be easily and effectively adapted to support the full spectrum of IT needs of both hospital and commercial laboratories.

AutoLims[®] technology includes an innovative graphical user interface, multi-tiered and object-oriented design, a relational database (selected by the user), and user-definable procedures and reports.

The **AutoLims[®]** Suite of products provides a comprehensive solution to all the computing needs of a clinical laboratory. The Suite caters not only to clinical data management needs, but in addition, provides tools for administrative and managerial needs. **AutoLims[®]** maximizes clinical laboratory productivity, efficiency and profitability through technological superiority, accuracy, and ease of use.

The Suite was initially designed for the commercial/community laboratory with additional functionality, required by hospitals, added later on. The commercial lab market presents most of the LIS challenges with its dynamic nature, and ever-growing need for increased functionality and larger volumes. Being a true, object-oriented software, coupled with the fact it was built on top of a most flexible infrastructure, **AutoLims[®]** responds to these challenges in an unprecedented way. As part of NeTLIMS' ongoing commitment to provide for the needs of commercial labs, the last 3 modules released (**AutoMobile[™]** - a Web enabled phlebotomist module operable from within a hand-held device, **AutoCRM[™]** - which supports and manages daily CRM needs, **AutoClip[™]** - which provides on-line archiving of attachments (like scanned ABNs and/or requisition forms)) cover areas traditionally catered to only by 3rd party software.

The system is modular, allowing each customer to pick and choose just those modules which answer its particular needs. Since all modules share a common, highly-sophisticated database, users can access the information generated by the various modules at the same time (on the same screen). Sharing the same database eliminates any data redundancy, inter-modules interfacing, data synchronization and other problems that might cause data discrepancy, and makes it a true "real-time" system; for example, a result that was just released can be instantaneously viewed by the tech at the lab, from within the application, by the physician, with our **AutoReach[®]** module or by using the web (**AutoWeb[™]**) as well as by any other authorized person, such as the referring physician. Authorized persons can also call into the IVR system (**AutoIVR[™]**) to hear the results read by the system. Same results – all at the same time.

State - of - the - art Laboratory Information System from NeTLIMS



All modules and capabilities were developed in-house (including our fax server, IVR, scanning and archiving module etc). This allows any of our customers to enjoy a unified, tightly-integrated solution, and eliminates the need for any third party vendor to provide "missing parts" like interfaces, faxing capability etc.

The system is scalable – the very same software used to drive a small lab can actually run on a notebook for presentations, and will drive a very high-volume lab with tens of thousands of requisitions per work day. The only difference will be the hardware and workload configurations (also controllable by the customer). All textual strings are ex-code, allowing for easy table-driven translation to multiple languages (and the system actually supports even languages written in directions other than left-to-right). Multiple languages can co-reside and be used on the system simultaneously.

All industry standards are supported (ASTM, HL7, ANSI, X12, etc.), and a comprehensive permission and logging mechanism is embedded into the system ensuring a detailed audit trail capability.

NeTLIMS takes charge of the entire project– the product, the implementation, any additional development (if required) and the support of the product. NeTLIMS works closely with our customers throughout the life cycle of the project, performing our part by ourselves (no subcontractors) thus ensuring an efficient, rapid and high-quality implementation.

State - of - the - art Laboratory Information System from NeTLIMS



Autolims Modular LIS Overview cont'd:

The **AutoLims**® Suite provides software solutions to the requirements of all of the various methodologies / disciplines of the clinical laboratory; including, in addition to the core lab handling, Biochemistry, Hematology, Endo, etc., as well as Anatomic Pathology (Cyto and Histo included), Microbiology, and Blood Bank (including donors). Quality Control for the suite is handled by our sophisticated, built-in AutoQuality module (e.g. if a specific channel fails QC, the work screens on the lab side are alerted right away), that is not only fully graphical and 100% user-definable (rules, etc.), but provides additional reports, such as Gauss distribution of results for any period of time, Cusum, and more.

The non-clinical aspects of the laboratory work (managerial, administrative, regulatory, etc.) are covered by a complementary set of modules, such as a specialized, easy-to-use Report Generator (which knows the system objects, thus saving the use of "joins", etc.), an Outreach module (AutoReach) which is operational in both thick and thin clients, a full Web-based ordering, results and reporting module (AutoWeb), full service-level billing system (AutoBilling) which includes a full bi-directional payers interface and logic engine for automatic handling of rejections, an Integrated Voice Response system (AutoIVR, for computer-generated reading of results over the phone) including fax-sending capabilities from the phone, performance monitoring, real-time queries, real-time warnings and alerts module, a Web-enabled, hand-held phlebotomist module, and the recently introduced CRM module (AutoCRM).

The system is configuration-driven – we maintain a single set of source code for all of our customers worldwide. Variations in system behaviors and functionality are driven by a configuration database (initially built during implementation with the user, and later maintained by the user). Currently it provides about 4,000 configuration parameters.

The system supports centralized access to the analyzers, where batch processes are constantly running, managing traffic between the LIS and the instruments, where each analyzer is accessed through its unique driver (aka interface). Like all other system components, all drivers were developed internally - and the system currently supports over 300 different drivers.

The **AutoLims**® Suite is an open system. In addition to the fact that we do not restrict our users to certain Hardware and/or Database vendors, we give our users an unprecedented level of "freedom". Some examples of this freedom are: The system supports an internal logic engine and has a report generator. Several parts of it (like menus and reports) are based on XML/XSL technology – the sources for the XSLs are provided to users, enabling them to modify the "look and feel" of menus, as well as completely re-design system reports using any standard XSL web tools. In version 3.0, NeTLIMS introduced an even higher level of freedom by allowing additions and modifications to the system logic, via any MS scripting language – thus allowing users to make logic changes in the software independently, without the need to acquire programming services from NeTLIMS.

Since the entire Suite was developed with the same set of tools, by the same team of developers following the same strict guidelines, the adoption and learning curve of users is shortened. Not only do all screens look similar, but many of the actual key strokes and functionalities are identical and maintained so throughout the application. This feature allows for manpower of one department to assist other departments during heavy workload, as there is no need to invest in learning the system – just the particular clinical procedure.

State - of - the - art Laboratory Information System from NeTLIMS