Experience the Effects of Efficiency

StreamLAB® Automation Solution

Answers for life.

SIEMENS

The sample manager
at the core of your laboratory

The Siemens StreamLAB® Automation Solution simplifies sample management by creating an easy-to-use, single operator interface for all sample input, output and status monitoring for laboratory testing. This system links multiple analytical systems with consolidated, automated sample handling and management functionality. It has the intelligence to route STAT and routine samples to the appropriate analyzer to optimize system throughput and turnaround time. Completed tubes can be sorted and mapped into output racks to enable easy storage, subsequent testing or retrieval. The workcell processes 300 sample tubes per hour and is capable of running a wide range of sample tube sizes and types simultaneously without pre-sorting. Automated centrifugation is an optional module to further streamline the workflow, increase productivity in the laboratory and improve operator safety. StreamLAB can track the location of over 47 000 archived tubes stored in StreamLAB racks to facilitate easy specimen retrieval for add-on and repeat tests.
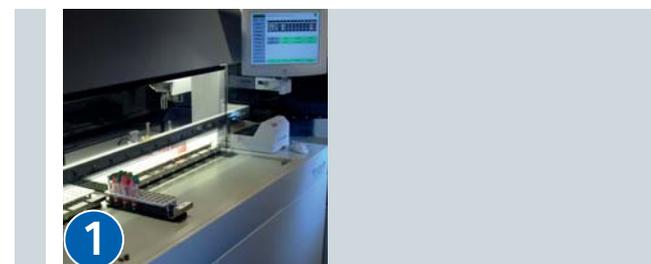
Track transport module

- Multi-tube carrier with RFID[2] chip for continuous, reliable sample tracking
- Flexible configurations, easily expandable
- Quiet, safe operation
- Open architecture, ready for adding other modules and analyzers

Routine sample input/output rack

- 12 racks of 48 tubes each
- Multiple tube sizes/types simultaneously
- ID system for sorting, storage and retrieval

1 After validation by Siemens Healthcare Diagnostics
2 Radio Frequency Identification Device
3 Laboratory Information System

Control unit

- Intelligent sample routing to optimize workflow
- Priority STAT handling
- Output tube sorting
- Sample archiving capability
- Single LIS[3] connection
- Remote diagnostic and trouble-shooting capability

Sample input/output module

- Throughput of 300 tubes/hour
- Sample buffer of 600 tubes
- All tube input/output at a single operator location
- Routine sample input/output via racks
- Dedicated STAT loading area
- Dedicated priority output area for problem tubes and rapid individual tube access
- Rack interlock and status lights for operator safety and convenience
- Positive sample identification via barcode reader and RFID chip
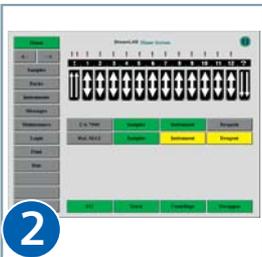
Operator interface

- User-friendly graphic interface
- Touch screen monitor
- Full system status displayed for:
  - Automation modules and analyzers
  - All samples and racks
  - Analyzer reagents/consumables
  - Maintenance and error conditions
- 'Zero-button' continuous operation
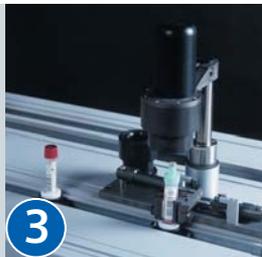
Decapping module

- 300 tubes/hour
- Compact, reliable design
- One system for both stopper and screw type caps
- Easy cap waste disposal
- Multiple tube types/sizes simultaneously

Centrifugation module

- 300 samples/hour
- Continuous flow operation
- Autobalancing
- Settable spin parameters
- Refrigerated centrifuge
- Multiple tube types/sizes simultaneously
- Optional module that can be added at any time; STAT samples are unloaded first

Innovation leads the way: introducing a spectrum of effectiveness....

please note the bag for Spec-sheets

Laboratory reaches its future

An ideal fit for central/core laboratories, StreamLAB functions as an independent primary work center that streamlines the workflow for improved efficiency and productivity.

Reducing the number of analyzers and processing steps while automating manual tasks, the StreamLAB Analytical Workcell delivers practical leading edge automation technology in a powerpacked workcenter that's easy to use, affordable and space-efficient.

It provides fully automated, integrated testing of routine and specialty chemistries, immunoassays, cardiac markers, STATs, therapeutic drugs, drugs-of-abuse, endocrinology and user-defined channels.

- Simultaneous processing assures high throughput and fast turnaround time
- Large on-board capacity for longer walk-away times
- Automated sample management
  - Wide range of tube sizes/types accepted with no manual sorting
  - Positive sample identification and tracking
  - Intelligent sample routing directs each sample to the analyzer that can provide the fastest turnaround time
  - Sorts and maps samples for easy routing, storage and retrieval

- Links multiple systems with a single operator interface
- Reduces labor requirements by eliminating non-value-added tasks
- Minimizes errors and exposure to biohazards
- Provides consistent process and performance
- Inherent backup with direct access to analyzers
- Eliminates stand-alone STAT analyzers
- Standardizes results with other Dimension® analyzers in satellite labs

Scalable and flexible

The StreamLAB Automation Solution is designed to evolve with your lab. The open system architecture enables you to custom configure and reconfigure the system as your needs change and as new technology becomes available.

• Links up to 6 individual analytical systems, such as the Dimension RxL Max® Integrated Chemistry System and Dimension Vista® 1500 Intelligent LAB System

• Automated transport of samples through the workcell

• Allows future incorporation of additional analyzers and modules

• Optional, automated centrifugation (can be included immediately or later on)

• You can select from various system sizes, throughputs and layouts

• The scalable concept gives you high flexibility and grows with your needs
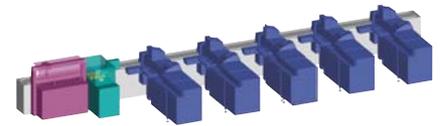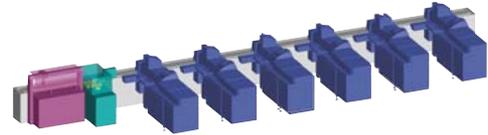

Sample Input/Output Module

Centrifugation Module/Decapping Module

Dimension RxL Max Systems as examples for connected analyzers

Track Transport Module
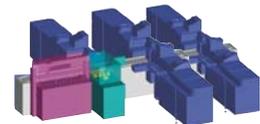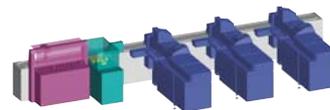
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clinical diagnostics company, is committed
to providing clinicians with the vital information
they need for the accurate diagnosis, treatment
and monitoring of patients. Our comprehensive
portfolio of performance-driven systems,
unmatched menu offering and IT solutions,
in conjunction with highly responsive service,
is designed to streamline workflow, enhance
operational efficiency and support improved
patient care.

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