CLINICAL LABORATORY SOLUTIONS
Pre-analytic, Post-analytic and Front-to-Back Workflow Automation
Your commitment to your client is to provide accurate results, on time, every time. Whether your laboratory processes one thousand specimens a day or one hundred thousand a day, you rely on your staff and equipment to correctly identify each specimen, to prepare each specimen for testing, to route to the proper department quickly and to maintain specimen status and traceability.

GLOBAL LEADERSHIP, LOCAL SUPPORT

A global leader in robotics and automation solutions, Yaskawa has become synonymous with advanced technology and groundbreaking innovation. With solutions tailored for nearly every application and operations in dozens of countries, Yaskawa is proud to serve leading companies in diverse industries throughout the world.

- Over 300,000 robots and automation systems installed
- Offices in 28 countries
- Solutions for every industry and application
- Ongoing contributions to workforce development and STEM-based education
- 100 years of innovation history
- Continued R&D investment for emerging markets

Customer Satisfaction
Yaskawa delivers unmatched support for clients worldwide, including troubleshooting, maintenance, life cycle management and more.

THE YASKAWA ADVANTAGE

Yaskawa Motoman designs, manufactures and supports our equipment enabling you to meet your client's expectations, every day. Yaskawa's standalone and track-based specimen processing systems provide:

- Quality: Features robust construction and minimal maintenance requirements
- Efficiency: Achieve high consistency in Turn Around Time (TAT)
- Flexibility: Adapt to the reality of your laboratory with flexible, configurable solutions
- Compatibility: Connect with your IT infrastructure, providing processing information and specimen traceability to maintain control of your workflow
- Scalability: Evolve to add/change processes, throughput and configuration as your business changes
- Performance: Deliver throughput rates to meet the needs of moderate volume labs up to the largest commercial laboratory operations in the world
LEARN MORE

Ready to explore the impact that automation can have for your specific laboratory operations?

For more information visit our website: www.innovators.com/specimen-processing

PRE- AND POST-ANALYTIC AUTOMATION OPTIMIZE AND AUTOMATE WORKFLOW

YOSENEA HEMSTON offers solutions for labor-intensive, high throughput areas of the clinical diagnost campus.

Stand-alone workflows provide task-targeted processes, while integrated systems with a specimen transport conveyor process each specimen to complete the full pre-analytic process.

Ready-to-load specimen racks are delivered to the Diagnostic automata. Following completion of the analytic sequence, specimens may be recaptured, logged, and sorted for archive storage.

Automated Laboratory Processing System
- Longest workflow of specimen throughout the pre- and post-analytic process sequence
- Integration components of the automated system (sources, conveyor systems, developers, wavers, robots, etc.)
- Connects to the LIS for exchange of specimen processing data and history
- Examinable and responsible for accommodating volume increases, workflow changes and additional process equipment

Lab IT Connectivity Laboratory work flow intelligence is a valuable element of operating an efficient and cost-effective. Intelligent process automation systems are engineered to alert and track critical events. They also can manage and review test results and returns. They facilitate data exchange across information systems and ensure compatibility with future IT architectures.

HandsOn 300 Multiport requiring processing sorting, centrifugation and decapping, as well as post-analytic wash-handling, and staining.

StainDomes process for moderate volume lab environments.

Staintainer On-the-rack instrument in the laboratory requires patient sample and patient identification staff of repetitive and direct loads.

- HandsOn post-analytic processing
- Includes a wide range of tube configurations
- Faster processing of a broad panel of tests

Touch leaks to multiple systems

Touch leaks to multiple systems

Bulk Loader
- Touch leaks to multiple systems

Touch leaks to multiple systems

Recap loader
- Touch leaks to multiple systems

Touch leaks to multiple systems

AutoSorter™ 1200
- Touch leaks to multiple systems

Touch leaks to multiple systems

Containment Scanning System
- Touch leaks to multiple systems

Touch leaks to multiple systems

Custom Process Solutions
- Touch leaks to multiple systems

Touch leaks to multiple systems

Decapper
- Touch leaks to multiple systems

Touch leaks to multiple systems

Autoloader
- Touch leaks to multiple systems

Touch leaks to multiple systems

Bulk Loader
Tubes are bagged, labeled, and prepared for disposal. The tubes are then sealed in the attachment the bulk loader and delivered to the LIS.

Recapper
Closes post-analytic tubes and applies phantom caps to protect against cross contamination.

Throughput: 1200 tubes per hour

AutoSorter™ 1200
Input from density-based readers on conveyor. Receives decontaminated specimens and sends to load sorter. Accepts single or paired specimen configurations in preprepared, non-contaminated, post-analytic specimens for archive. Throughput: 1200 tubes per hour

Container Scanning System
Captures image of specimen container and label to identify specimen source. 2D color, 3D, bar code, numeric code, and text for data analysis to determine the specimen processing sequence. Throughput: 1200 tubes per hour

Decapper Removes Hemostat™ bands and covers, specimen and labels from specimen container. Cuts specimen from tube allowing process to protect against cross contamination. Throughput: 1200 tubes per hour

Recapper Closes post-analytic tubes and applies phantom caps to protect against cross contamination. May be removed manually or automatically. Many sizes and styles of tubes may be handled. Throughput: 1200 tubes per hour

Roll Sorter
High throughput, front and back sorter for post-analytic specimen automation. Harp-loaded specimen is sorted to pick and drop targets, each holding a 20 tube, most common tube configurations are sorted. The Rett Sorter is capable of sorting over 900 tubes per hour without interruptions. Each target can be configured for high capacity use in developing lab environments.

Cadox responsible for different sorting modules.
- FT connectivity facilitates soft instruction and results reporting.

Throughput: 3200 tubes per hour

AutoLoader 3100
Performing tasks for sorting, centrifugation and decapping, as well as post-analytic wash-handling, and staining.

StainDomes process for moderate volume lab environments.

Staintainer On-the-rack instrument in the laboratory requires patient sample and patient identification staff of repetitive and direct loads.

- HandsOn post-analytic processing
- Includes a wide range of tube configurations
- Faster processing of a broad panel of tests

Touch leaks to multiple systems

Touch leaks to multiple systems

Bulk Loader
Tubes are bagged, labeled, and prepared for disposal. The tubes are then sealed in the attachment the bulk loader and delivered to the LIS.

Recapper
Closes post-analytic tubes and applies phantom caps to protect against cross contamination.

Throughput: 1200 tubes per hour

AutoSorter™ 1200
Input from density-based readers on conveyor. Receives decontaminated specimens and sends to load sorter. Accepts single or paired specimen configurations in preprepared, non-contaminated, post-analytic specimens for archive. Throughput: 1200 tubes per hour

Container Scanning System
Captures image of specimen container and label to identify specimen source. 2D color, 3D, bar code, numeric code, and text for data analysis to determine the specimen processing sequence. Throughput: 1200 tubes per hour

Custom Process Solutions
Captures image of specimen container and label to identify specimen source. 2D color, 3D, bar code, numeric code, and text for data analysis to determine the specimen processing sequence. Throughput: 1200 tubes per hour

Decapper Removes Hemostat™ bands and covers, specimen and labels from specimen container. Cuts specimen from tube allowing process to protect against cross contamination. Throughput: 1200 tubes per hour

Recapper Closes post-analytic tubes and applies phantom caps to protect against cross contamination. May be removed manually or automatically. Many sizes and styles of tubes may be handled. Throughput: 1200 tubes per hour

Roll Sorter
High throughput, front and back sorter for post-analytic specimen automation. Harp-loaded specimen is sorted to pick and drop targets, each holding a 20 tube, most common tube configurations are sorted. The Rett Sorter is capable of sorting over 900 tubes per hour without interruptions. Each target can be configured for high capacity use in developing lab environments.

Cadox responsible for different sorting modules.
- FT connectivity facilitates soft instruction and results reporting.

Throughput: 3200 tubes per hour

AutoLoader 3100
Performing tasks for sorting, centrifugation and decapping, as well as post-analytic wash-handling, and staining.

StainDomes process for moderate volume lab environments.

Staintainer On-the-rack instrument in the laboratory requires patient sample and patient identification staff of repetitive and direct loads.

- HandsOn post-analytic processing
- Includes a wide range of tube configurations
- Faster processing of a broad panel of tests

Touch leaks to multiple systems

Touch leaks to multiple systems

Bulk Loader
Tubes are bagged, labeled, and prepared for disposal. The tubes are then sealed in the attachment the bulk loader and delivered to the LIS.

Recapper
Closes post-analytic tubes and applies phantom caps to protect against cross contamination.

Throughput: 1200 tubes per hour

AutoSorter™ 1200
Input from density-based readers on conveyor. Receives decontaminated specimens and sends to load sorter. Accepts single or paired specimen configurations in preprepared, non-contaminated, post-analytic specimens for archive. Throughput: 1200 tubes per hour

Container Scanning System
Captures image of specimen container and label to identify specimen source. 2D color, 3D, bar code, numeric code, and text for data analysis to determine the specimen processing sequence. Throughput: 1200 tubes per hour

Custom Process Solutions
Captures image of specimen container and label to identify specimen source. 2D color, 3D, bar code, numeric code, and text for data analysis to determine the specimen processing sequence. Throughput: 1200 tubes per hour

Decapper Removes Hemostat™ bands and covers, specimen and labels from specimen container. Cuts specimen from tube allowing process to protect against cross contamination. Throughput: 1200 tubes per hour

Recapper Closes post-analytic tubes and applies phantom caps to protect against cross contamination. May be removed manually or automatically. Many sizes and styles of tubes may be handled. Throughput: 1200 tubes per hour

Roll Sorter
High throughput, front and back sorter for post-analytic specimen automation. Harp-loaded specimen is sorted to pick and drop targets, each holding a 20 tube, most common tube configurations are sorted. The Rett Sorter is capable of sorting over 900 tubes per hour without interruptions. Each target can be configured for high capacity use in developing lab environments.

Cadox responsible for different sorting modules.
- FT connectivity facilitates soft instruction and results reporting.

Throughput: 3200 tubes per hour

AutoLoader 3100
Performing tasks for sorting, centrifugation and decapping, as well as post-analytic wash-handling, and staining.

StainDomes process for moderate volume lab environments.

Staintainer On-the-rack instrument in the laboratory requires patient sample and patient identification staff of repetitive and direct loads.

- HandsOn post-analytic processing
- Includes a wide range of tube configurations
- Faster processing of a broad panel of tests

Touch leaks to multiple systems

Touch leaks to multiple systems

Bulk Loader
Tubes are bagged, labeled, and prepared for disposal. The tubes are then sealed in the attachment the bulk loader and delivered to the LIS.

Recapper
Closes post-analytic tubes and applies phantom caps to protect against cross contamination.

Throughput: 1200 tubes per hour

AutoSorter™ 1200
Input from density-based readers on conveyor. Receives decontaminated specimens and sends to load sorter. Accepts single or paired specimen configurations in preprepared, non-contaminated, post-analytic specimens for archive. Throughput: 1200 tubes per hour

Container Scanning System
Captures image of specimen container and label to identify specimen source. 2D color, 3D, bar code, numeric code, and text for data analysis to determine the specimen processing sequence. Throughput: 1200 tubes per hour

Custom Process Solutions
Captures image of specimen container and label to identify specimen source. 2D color, 3D, bar code, numeric code, and text for data analysis to determine the specimen processing sequence. Throughput: 1200 tubes per hour

Decapper Removes Hemostat™ bands and covers, specimen and labels from specimen container. Cuts specimen from tube allowing process to protect against cross contamination. Throughput: 1200 tubes per hour

Recapper Closes post-analytic tubes and applies phantom caps to protect against cross contamination. May be removed manually or automatically. Many sizes and styles of tubes may be handled. Throughput: 1200 tubes per hour

Roll Sorter
High throughput, front and back sorter for post-analytic specimen automation. Harp-loaded specimen is sorted to pick and drop targets, each holding a 20 tube, most common tube configurations are sorted. The Rett Sorter is capable of sorting over 900 tubes per hour without interruptions. Each target can be configured for high capacity use in developing lab environments.

Cadox responsible for different sorting modules.
- FT connectivity facilitates soft instruction and results reporting.

Throughput: 3200 tubes per hour
Since its founding in 1915, Yaskawa has delivered breakthrough innovations to help customers increase efficiency, improve quality, boost productivity and achieve outstanding ROI.

YASKAWA

motoman.com

Headquarters
Yaskawa America, Inc.
Motoman Robotics Division
100 Automation Way
Miamisburg, OH 45342
Tel: 937.847.6200

Additional Locations
Detroit, MI, USA
Irvine, CA, USA
Mississauga, Ontario, Canada
Pointe Claire, Quebec, Canada
Aguascalientes, Ags., México
Apodaca, Nuevo León, México
El Marques, Querétaro, México
Diadema, São Paulo, Brazil