

SWISSLOG APPLICATIONS

AUTOMATED MATERIALS TRANSPORT SOLUTIONS FOR HOSPITAL LABORATORIES



Laboratory Challenges: Turnaround Time, Efficiency and Specimen Integrity

Laboratories provide the critical analytical link in the hospital's chain-of-care. Rapid turnaround time from patient draw to delivery of results helps assure quality care. Specimen integrity, secure transport and delivery verification also contribute to operational excellence.

Swisslog Understands the Transport Needs of Hospital Labs

Whether a hospital lab desires increased productivity with improved turnaround time, an alternative to point-of-care testing or daily workflow efficiency, the solution can be found in Swisslog's portfolio of automated materials transport systems.

swisslog

Pneumatic Tube Systems (PTS)

Swisslog's TransLogic Pneumatic Tube System dramatically reduces transport time of specimens, tissues and blood products.

- > **Speed** – Transport up to 15 lbs at speeds up to 20 feet/second
- > **Traffic handling** – High-throughput stations and system design
- > **Security** – Transport specimens between only authorized personnel
- > **Verification** – Staff identification linked with carrier departure and arrival times
- > **Soft delivery** – Product integrity assured with variable speed controls

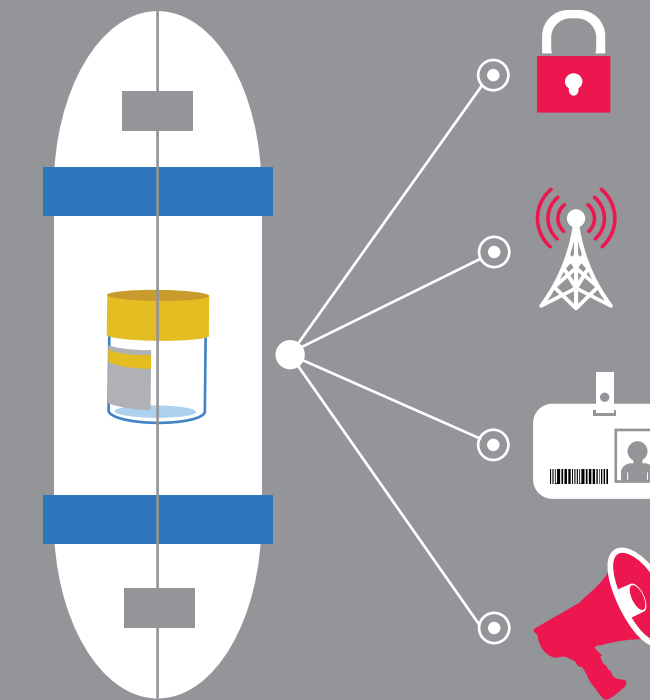
PTS Add-Ons and Accessories

- > **Carriers and accessories** – Swisslog manufactures a variety of standard, leak-resistant, color, RFID, and antimicrobial carriers and accessories.
- > **Nexus Control Panel** – The ATM-like touch-screen Nexus control panel provides user-friendly, intuitive system control.
- > **Station Access Door** – Provides an additional layer of controlled access to authorized users only.



Total Chain-of-Custody

By combining the following technologies, carriers can be tracked and controlled.



Secure-Send Feature

Swisslog control panels give users special functions like secure-send, which limits access of specific carriers to authorized users.

Radio Frequency Identification

RFID provides real-time carrier monitoring, restricts use of a carrier to a specific department, and automatically adjusts carrier counts throughout the system.

WhoTube™ Card Swipe

WhoTube uses an access card, such as a hospital-issued ID card, to send and receive carriers. The system assures that every transaction is recorded and that only authorized users gain system access.

Alert Messaging

Receive messages announcing carrier arrival via mobile devices such as pagers, PDAs, mobile phones and by e-mail.



Specimen Transportation Inside the Lab: Autonomous Mobile Robot (AMR)

AMRs shorten turnaround time, increase workflow efficiency and contribute to patient care. Swisslog's AMR, RoboCourier, transports specimens, tissues, samples and other items between receiving and testing departments within the lab.

Features

- > Operate 24/7/365 between battery recharging
- > 50-pound payload capacity
- > Laser guidance for obstacle avoidance
- > Routes are quickly mapped
- > No facility modification required
- > Battery powered from standard wall outlet
- > Navigate narrow hallways and tight quarters
- > Available for purchase or lease

Benefits

- > Consistent, improved turnaround time
- > Enhanced workflow process and efficiency
- > Returns staff time for patient-centered work
- > Easy-to-use with push-button destinations

Swisslog:
Your Lab
Transport Partner

Swisslog has installed automated materials transport systems in more than 2,000 North American hospitals. We offer solutions tailor-made to your requirements. Talk with a Swisslog representative today about how we can automate lab transport to fully meet your needs.



Swisslog – *Earning Your Investment Every Day™*

- > Outstanding Product Performance
- > Superior Product Reliability
- > Visionary Product Innovation
- > Excellent Customer Support and Service
- > Speedy Return-on-Investment
- > Ongoing R&D Commitment

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