

HEALTHCARE SOLUTIONS

**UNIPICK 2**  
AUTOMATED PACK DISPENSING  
SYSTEM



«SWISSLOG, AN ESTABLISHED  
WORLDWIDE PRESENCE»



# SWISSLOG HEALTHCARE SOLUTIONS LEADING CHANGE THROUGH HOSPITAL AUTOMATION.

Swisslog Healthcare Solutions delivers best-in-class automation solutions that increase efficiency and enhance the patient experience in forward-thinking hospitals.

Swisslog is able to combine different concepts of automated pack dispensing to offer highly customized, total solutions for both inpatient and outpatient pharmacies. From highly demanding, large volume dispensing hospital pharmacies to refrigerated and narcotic drug handling to smaller, dedicated pack dispensing.

With years of experience in design & implementation, Swisslog has installed material transport and medication management systems in more than 3000 hospitals and pharmacies throughout the world.

With total system design, manufacturing, installation and customer service, Swisslog provides complete hospital supply chain management.

## AUTOMATED PACK DISPENSING SOLUTIONS

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The need to streamline workflows in the hospital environment is becoming evermore demanding for rapid and secure medication management.

The highly versatile and superior performance characteristics coupled with the secure drug traceability of Swisslog's Automated Pack Dispensing systems allow perfect management solutions for:

- **Inpatient pharmacies**
  - fast and reliable automation for dispensing medications in their original packaging to patients admitted to a hospital for treatment.
- **Outpatient pharmacies**
  - automated retrieval of medications and direct dispensing to the hospital pharmacy counter for dismissed patients with home-treatment needs.
- **Hospital warehousing e logistic centers**
  - large volume management with high-density storage and fast, simultaneous loading and dispensing.

## AUTOMATED PACK DISPENSING BENEFITS

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- Real-time inventory control to reduce costs.
- Superior high-speed performance to reduce patients & users wait times.
- High-density storage to optimize pharmacy available space.
- More resources available to improve patient care.

# UniPick 2 Automated Drug Dispensing System

## Pharmacy Automation Solution

### 1. Dispensing Exit Columns

Depending on the pharmacy layout, UniPick 2 can be customized with a single or dual dispensing exit column.

### 2. Independent Ejectors

Each storage channel is equipped with an ejector; enabling simultaneous dispensing of different medications.

### 3. Storage Channel Columns

Available in either four columns or six columns with storage capacity of 11400\* units and 15360\* units respectively.

Manages both bottles and boxes in one machine.

### 4. Conveyor for real-time dispensing

Completed prescriptions are dispensed in real-time directly to the dispensing pharmacist via the conveyor and the dispensing slide.

### 5. Dispensing Slide

Delivers medications right to the pharmacist.

### 6. Unloading Conveyor

Offers higher throughput and cost savings compared to fully robotic pack dispensing systems. Travels both vertically and horizontally to collect and deliver medications to the dispensing exits.

### 7. Dispensing Exit (optional)

Depending on the operation practice of each hospital, the dispensing exits can be configured to be accessible from the front, back or both sides of UniPick 2. It's configurable up to 5 dispensing exits per column.

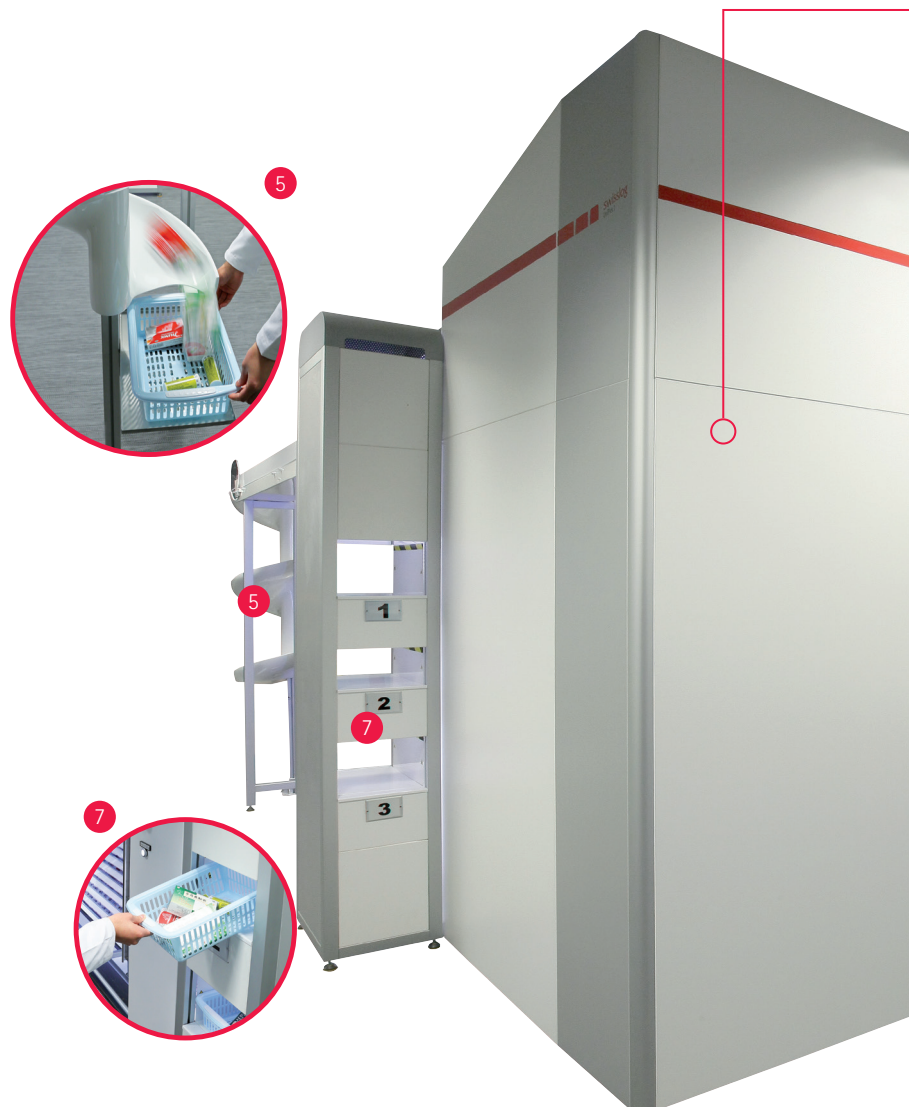
### 8. UniPick Manager Software

The easy to use icon-driven graphical user interface possesses powerful analytical abilities to trend medication usage; optimizing hospital resources.

### 9. Operator Station

Barcode scanning tools increase loading accuracy. 6 loading channels enable fast medication replenishment, resulting in high medication availability.

\* measured with standard box size of 105 x 65 x 35 mm.





Dispensing side

Loading side



UniPick 2 is a valuable solution to improving automated pack dispensing in your pharmacy

### Fast

- Multi-directional unloading conveyor belt and independent ejectors ensure dispensing of up to 2400 packs /hour.
- Independent loading arm works simultaneously to ensure loading of up to 2400 packs /hour.
- Laser inventory checks enable real-time inventory monitoring to ensure high availability of medication especially during peak hours.

### Efficient

- Simultaneous loading and dispensing of prescriptions.
- Manages both boxes and bottles in one machine.
- Software seamlessly integrates with existing HIS.

### Reliable

- Designed by experts with more than 40 years' experience in designing and manufacturing pharmacy automation.
- Automated loading and dispensing reduces incidence of medication errors.

### User-friendly

- Slide enables real-time dispensing directly to the outpatient counter or inpatient pharmacy.
- Ergonomically designed operator station with equipped with 27" touchscreen monitor with intuitive and icon-driven user interface.

### Cost effective

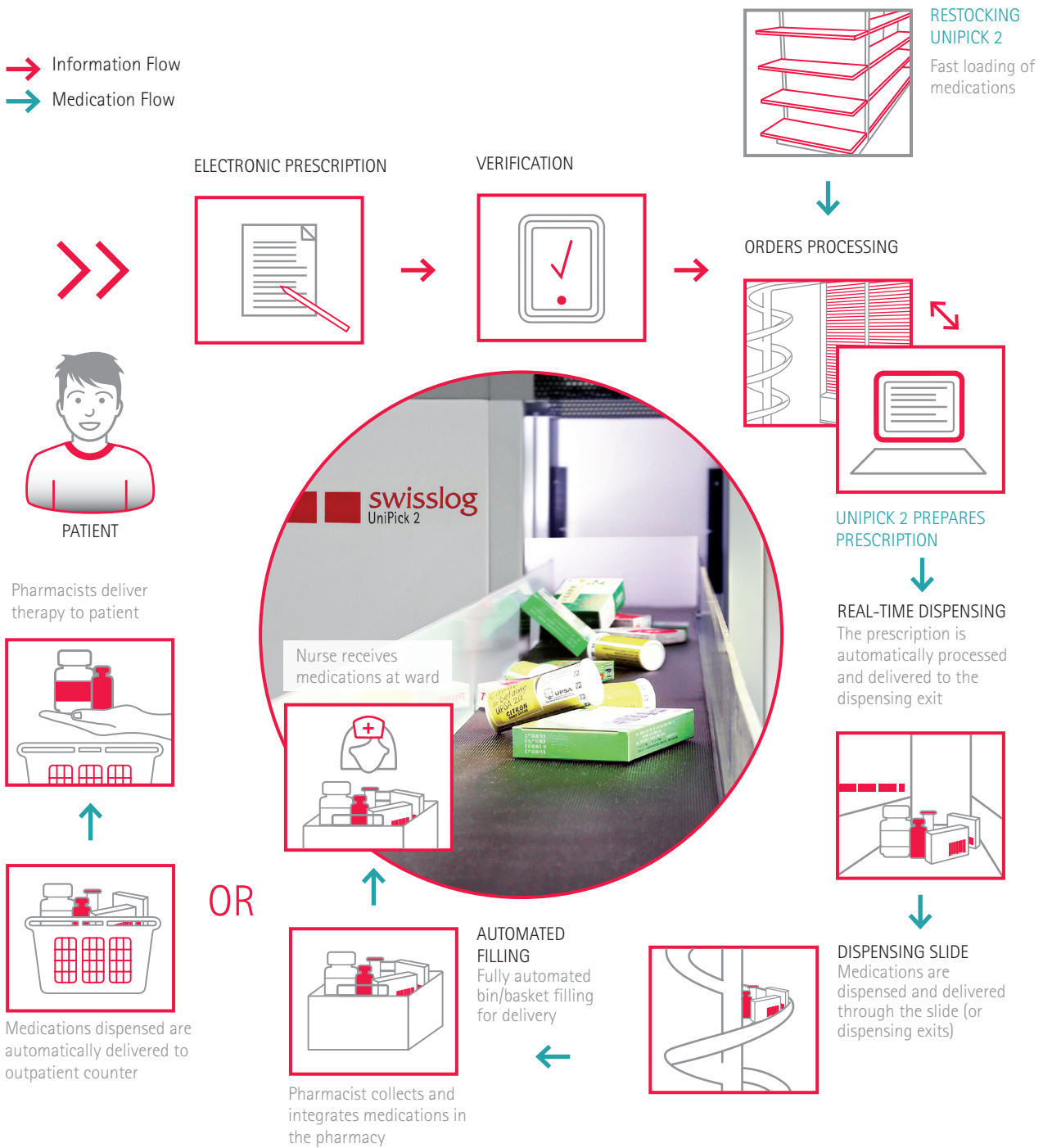
- Space optimization.
- Eliminates non-clinical duties and increases time for patient care services.
- Cost effective with high return on investment.

# INPATIENT AND OUTPATIENT PHARMACY WORKFLOW WITH UNIPICK 2 AUTOMATED DRUG DISPENSING SYSTEM

Providing pharmacists with fast, automated prescription medication solutions is an integral part of advanced quality standards of care.

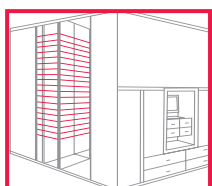
Hospital pharmacies equipped with UniPick 2 work more efficiently and safely. Pharmacists may dispense prescription medications in real time, store and locate exactly the right prescription while eliminating wait times and human errors.

A true cost effective service for hospital pharmacies.



# SWISSLOG PHARMACY AUTOMATION SOLUTIONS ARE CUSTOMIZABLE TO INDIVIDUAL HOSPITAL PHARMACY STORAGE AND DISPENSING NEEDS

## BOXPICKER



BoxPicker is an automated pharmacy storage system that integrates with UniPick 2 to offer a complete end-to-end medication management solution. BoxPicker is a modular, versatile system that can be perfectly tailored to meet any hospital pharmacy needs.

It provides secure, high-density storage and dispensing of refrigerated, narcotics and odd-shaped medications while eliminating static shelving.



## EVOTEC



EvoTec is a smart stock management system that divides products in classes and, depending on dispensing records, chooses the best location for them. It has a multi-picking function and is configurable with one or two robotic arms.

The unique, high-density loading module automatically sorts, controls and rapidly sends medications to the storage area. With high flexibility in scaling and sizing, EvoTec is an ideal solution for both inpatient and outpatient pharmacies.



# SWISSLOG: TAILORING AUTOMATION SOLUTIONS FOR FORWARD THINKING HOSPITALS



**PILLPICK**  
Automated packaging and dispensing of patient-specific unit dose therapies.



**BOXPICKER**  
Automated storage of refrigerated, narcotics and odd-shaped medications within a single unit.



**UNIPICK 2**  
Automated pack dispensing system with superior speed and capacity performances.



**TRANSPONET**  
Pneumatic tube system for light goods transport.



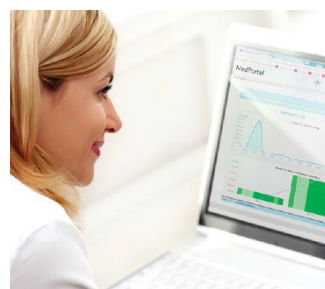
**TRANSCAR**  
Automated guided vehicle for voluminous goods transport.



**AUTOMATED SOLUTIONS FOR DISTRIBUTION CENTERS**  
Warehouse management and vertical storage.



**ROBOTIC SOLUTIONS**



**INTEGRATED SOFTWARE SOLUTIONS**

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