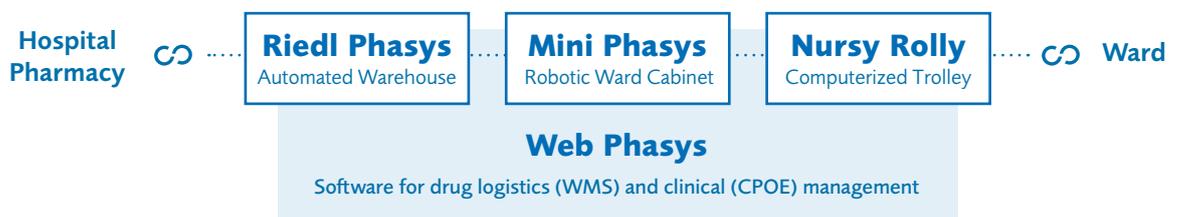# Hospital Pharmacy System

A complete and innovative solution for the management of medications in hospitals: simple, modular, reliable.

HPS is an intelligent combination of software and hardware that enables the full identification and traceability of drugs at all times.

Improved stock control, increased dispensing efficiencies and a complete audit trail of all items is achieved with the implementation of our suite of products. The Riedl Phasys is our storage and dispensing system which manages stock in the main dispensary. The Mini Phasys is our robotic ward cabinet, and the Nursy Rolly is our computerized trolley.

The Web Phasys application guarantees an efficient management of all resources and control of all prescriptions and administrations through the computerization of all drug logistics (WMS) and clinical (CPOE) processes.

1 **Web Phasys** is the software application for the control of the whole drug logistics and clinical process.

2 **Riedl Phasys** is a sophisticated automated system for the storage and dispensing of drugs.

3 **Mini Phasys** is a robotic cabinet for the management of drugs at ward level.

4 **Nursy Rolly** is an intelligent trolley for the safe administering of drugs to the patient.

Hospital Pharmacy ⌘ ····· | **Riedl Phasys** Automated Warehouse | ····· | **Mini Phasys** Robotic Ward Cabinet | ····· | **Nursy Rolly** Computerized Trolley | ····· ⌘ **Ward**

Web Phasys

Software for drug logistics (WMS) and clinical (CPOE) management

Advantages and Efficiencies

Full traceability, reduced clinical errors and optimisation of resources.

traceability
efficiency
safety
quality

clinical risk
costs

- Control and monitoring of the complete drug process.

- Reduction in dispensing errors (about 65%), improved patient safety, reduced liability risks for hospitals.

- Reduction in drug stock holding in the pharmacy and at ward level.

- Exact cost allocation.

- Savings on pharmacy expenditure and cost reduction per bed within 12 months.

- Optimization of logistics and staff resources.

- Less costs compared to other drug dispensing systems.

- Better quality perception by users and by the community.

- Alignment with international stardard for hospital certifications.

1

Web Phasys

Advanced modular software for monitoring the whole logistics and clinical processing of drugs.

The Web Phasys suite is fully integrated with the Riedl Phasys in the central pharmacy (WMS) and with the Mini Phasys and Nursy Rolly in the wards (CPOE).
Everyday thousands of doctors, nurses and hospital operators use the Web Phasys suite to **prescribe** (about 10 million prescriptions per year), **administer** (more than 36 million doses per year) and **manage** stocks both in the pharmacy and in the wards (on average, more than half a million per day).
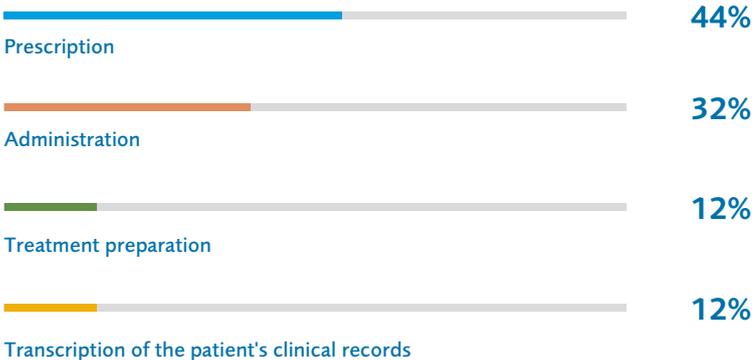
BENEFITS

- Patient safety

- Reduction in the clinical risks

- Full integration with both clinical and logistics processes

- Optimization of drug storage and dispensing

- Drug traceability

- Real time data updates

Web Phasys WMS
in both the central pharmacy and at ward level.

Web Phasys CPOE
manages and controls electronic prescribing and drug administration using web applications on mobile devices

When do medication errors occur?

44%
Prescription

32%
Administration

12%
Treatment preparation

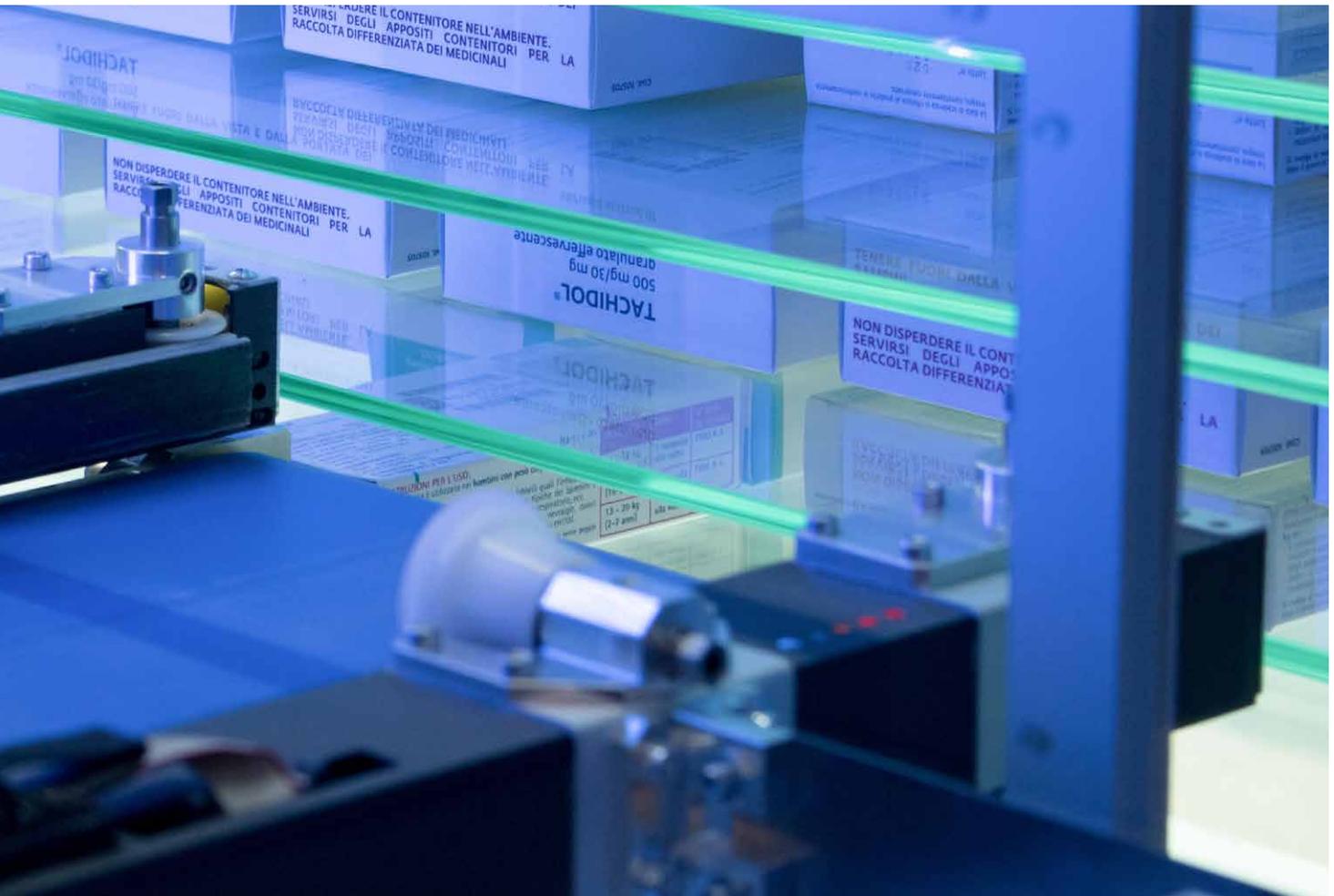12%
Transcription of the patient's clinical records

2

Riedl Phasys

Fast and advanced automated
system for the storage
and dispensing of drugs
in the pharmacy.

Riedl Phasys is one of the most technologically advanced automated warehouses currently available on the market. It is extremely flexible and can be designed to fit into any available space. Integrated with the Web Phasys WMS, the complete logistical process and mapping of drugs within the hospital is managed, with a full audit trail for every item.

MAIN FEATURES

- The fastest system on the market, achieving speeds of more than 5m/sec

- Gripper and axis replacement plus self-calibration within 15 minutes

- No limitation of product items that can be stocked

- Multi-picking gripper – up to 8 items per movement

BENEFITS

- Fast loading and dispensing

- Fully integrated and customisable

- High reliability

- Very low maintenance

- Accurate stock control

3

Mini Phasys

Sophisticated robotic cabinet for drugs management in the wards

Mini Phasys is the ward dispenser of drugs and other products.

Combined with Web Phasys CPOE, it enables the ward staff to carry out their working activities in a simple and safe computerized environment, with each drug administration being tracked and saved.

MAIN FEATURES

- High capacity

- Touch-screen monitor with safe access

- Single dispensing point

- Raster™ system for the automatic loading and unloading operations

- Internal and external barcode reader

BENEFITS

- Traceability of all operations

- User identification procedure

- Reliable information (time and quantity)

- Automatic loading and unloading of products

- Optimization of drugs location and consumption index

Touch-screen Monitor

Dispensing point

Fingerprint reader

Raster

External barcode reader

Products on the raster

Do you want to pick up the products on the raster?

4

Nursy Rolly

The intelligent trolley for the safe administration of drugs at the patient's bedside

FEATURES

- Integrated touch-screen monitor

- Drawers with controlled access

- Wi-Fi connection

- Over 8 hours of battery charge

BENEFITS

- Reduction in dispensing errors

- Full traceability of drugs

- Improved efficiency in drug rounds

Nursy Rolly is a software controlled drug dispensing trolley which ensures patients receive the right dose of the right drug at the right time. Any item required for a drug round can be stored in the drawers which are locked electronically and released at the time of dispensing.