INNOVATIONS IN MEDICATION MANAGEMENT

With each technological innovation we want to contribute to improving safety and lower costs in healthcare. That’s why a significant amount of our time and energy is dedicated to this goal. Pursuing this vision has made us the supplier of a market-leading technology for automated medication handling in pharmacies and hospitals.
The Rowa Vmax® 160
our classic solution.

The Rowa Vmax® 160 offers extra capacity compared with slimmer systems. Each system is customized to suit your personal requirements. This is evident in the dimensional flexibility and the countless possibilities for adjustment to your personal requirements.

☑️ All-rounder
For fast, medium, and slow-moving items, overstock, OTC products, round and cellophane-wrapped packages, refrigerated articles

☑️ Innovative V picking head technology
HD Multi-Picking® allows you to pick up to eight packages at the same time, indispensable for high capacities, can be expanded with 2nd picking head

☑️ Ergonomic convenient input
Position and posture-optimized input for right-handed and left-handed personnel, uninterrupted input flow, irrespective of package size

☑️ Simplest operation
User-friendly touchscreen interface for intuitive operator guidance

☑️ Optimal use of space
Up to 4,000 packages per running meter, for considerably more space in the pharmacy.

☑️ Latest scanner technology
Reads 2D barcodes to check expiry dates

☑️ Wide range of product options
Can be expanded with numerous customization possibilities, e.g., 2nd input belt for processing larger deliveries or a Rowa refrigerated unit to increase the level of automation

☑️ TÜV certified
The only certified system on the market
Rowa Vmax® system slimline medicines management for hospital dispensaries

Hospitals must be able to rely on their systems. That’s why Rowa systems always offer maximum reliability.

More than 400 systems constantly operating in demanding conditions prove the advantages of our automated stock management.

The Rowa Vmax system provides an extremely flexible and high-performance storage and dispensing system. When combined with our wide range of product options, Rowa enables:

- High scalability for capacity (up to 60,000 packages per machine) and speed
- Combining multiple machines
- Higher reliability by two picking heads
- Input speed per machine of up to 900 packs per hour
- Output speed per machine of up to 2,000 packs per hour
- Safety features including UPS, backup storage drive, stock scan, user identification with various authorization levels and refrigerator with data logger
- Recording expiry dates and batch numbers
- Conveyor system optimising stock picking and commissioning for the wards
- TÜV and GS certification guaranteeing quality and safety

Integrating with the hospital’s stock control system, Rowa technologies clearly streamline medicines management. Stock intake, recording, storage and order picking for the wards all of these previously manual activities can be done in a fraction of the time with Rowa technologies, so qualified personnel can now work more on the wards, for example. This is a huge advantage, especially in times of increasing pressure on hospital staff budgets.

CareFusion ensures medication stock management around the clock, 365 days a year by providing the highest reliability and a comprehensive, fast and competent service network with our 24-hour hotline and very own technicians.
Stock input
Ergonomic, convenient stock input. Pack available in 3 seconds. Processing of 2D barcodes. Second input belt for faster processing of large deliveries is optionally available with the Rowa Vmax system.

Picking head
The patented HD-Multi-Picking head can move up to eight packs (of different or identical types) at the same time – this is important when it comes to ensuring high input and picking capacities. A second picking head is optionally available with the Rowa Vmax system.

Fully automated stock input
The Rowa ProLog system (external) handles the storage of new goods automatically, quickly, and efficiently. Just shake out the delivery and the machine takes care of the rest. 2D barcodes are detected. Also available as an integrated system.

Refrigerated unit and air conditioning
Medications requiring mandatory refrigeration are automatically prioritized for input in the built-in Rowa refrigerated unit at 2 to 8°C. The minimum and maximum temperatures are documented automatically. It is also possible to install additional air conditioning for compliance with the 25°C rule.

Conveyor system
Conveyor belts, slides, and lifts for fast, quiet transportation of your medication to the sales counter from all floors.

Box Picking System
The Rowa Box-System automates the entire processes associated with large delivery orders. Medications are picked by order, labeled and placed in boxes.
Operating software
Intuitive fingertip navigation. Extensive warehouse management and analysis tools and simple input of expiry dates. Possible to connect any warehouse management system.

Security
UPS (uninterrupted power supply) unit and back-up computer protect against system downtime and loss of data. Troubleshooting function via remote systems and camera systems connects you directly to our 24/7 service facility. The only TÜV-tested system on the market.

Virtual OTC display
Rowa Vmotion™ touchscreen replaces the behind-the-counter shelves. Pick medicines, switch indications and offers easily, all with your fingertips. Central maintenance via remote access.

Pick-up terminal
Rowa Visavia™: 24-hour service terminal for easy collection of orders and deliveries.

Label printer
Rowa Label labels packs and marks them with all the important information fully automatically. For example, for supplying retirement homes.

Cleanroom air lock gateway
Rowa MedPort simplifies the storage and retrieval of packages for blister packing. Rowa MedPort also satisfies cleanroom requirements.
Rowa iProLog®: the internal solution.

The Rowa iProLog allows goods to be input directly into the Rowa Vmax completely automatically. Semi-automatic input via the input belt is also possible at the same time. Thanks to this integrated solution, you only have one device which handles all input tasks for you.

- Compact and fully integrated solution
- Dual input system
- For Rowa Vmax 160, Rowa Vmax 200 and Rowa Vmax 320

Rowa ProLog® Software

The completely revised software guarantees interruption-free and fully automatic input.
Intelligent functions:

☑ Measuring of packages
☑ Scanning and interpretation of barcodes
☑ Reading of printed and punched expiry dates
☑ Simple post-processing of expiry dates possible

Rowa ProLog®: the external solution.

With the external Rowa ProLog, the system can be loaded from almost anywhere: directly into the system, remotely from the system using Rowa conveyor technology and even from a different story or goods inward gate. This ensures maximum flexibility for the adaptation to your workflows.

☑ Can be positioned separately from the Rowa Vmax
☑ Can be retrofitted at any time
☑ For all Rowa Vmax systems
Large-, medium- and small-scale system solutions for supporting efficient distribution.

### Small-scale solutions
- **Model:** Rowa Box system
- **Process:**
  - Unstacking of boxes
  - Automated picking
  - Shelves
  - Manual picking

### Medium-scale solutions
- **Model:** Rowa Vmax system
- **Process:**
  - Automated picking
  - Shelves
  - Tunnel scanner
  - Visual product identification

### Large-scale solutions
- **Model:** Rowa Vmax and order buffer
- **Process:**
  - Provision of boxes
  - Output of fast-moving items
  - Automatic order picking
Rowa® Box-System
The Advantages at a Glance:

**Pharmacies Delivering to Stores**
- Delivery to all stores from a single source
- Central stock management
- Central purchasing

**Pharmacies Delivering to Homes**
- Parallel supply for pharmacy and home deliveries
- Option of customizing packaging via integration of Rowa Label printer

**Example of set-up with two output points:**
- Increased security
- Optimization of space
- Time savings
- Increased degree of automation
- Resource savings

**Pharmacies Delivering to Hospitals**
- Ward-specific picking possible
- Improved handling of large orders
- Increased patient safety

**Pharmacy with Online Store**
- Reduction of process and labor cost
- Enhancement of process handling
- Reduced rate of returns
What made you think of installing a Rowa?
We decided to install a Rowa to overcome the problem of having to find qualified pharmacists and to become more efficient in our dispensary. We also have better stock control and stock flow monitoring especially with expiry dates.

What does Rowa mean to you and your team?
The Rowa saves us time because it packs the stock away whilst we can focus on our patients and their requirements. Our team have on many occasions commented that they cannot see themselves in a dispensary without a Rowa.

How did operations and efficiencies change since implementation.
The operations run very smoothly and we have become very efficient since implementation because our waiting time in the queue has dropped substantially.

What would you say the biggest benefits have been in using Rowa.
Time management, efficiency and our team in the dispensary are not under pressure any longer.

Abdul Latif - Owner Eastdene Pharmacy, Middelburg Mpumalanga

“The speed and accuracy of ROWA (Lucy) improved the services levels and reduced customer queuing time significantly. There are less dispensing errors and staff function optimally in a positive environment created by ROWA. Stock control and shrinkage is more manageable. ROWA staff have given exceptional service and been very supportive. ROWA is definitely the machine of choice in dispensing automation.”

Hannes Strydom - Owner Pharma Valu Group, Queenswood Pretoria
Some of our clients we continue to serve:

- Private and Provincial Hospitals
- Medi Clinic
- Netcare
- Life Health Care Hospitals
- Pretoria Urology Hospital
- Eastdene Pharmacy
- Pharma Value Queenswood
- Vryburg Pharmacy
- Right To Care
- NHLS
- Forensic Science Lab
- Pathcare
- South African Military
- Auto & General
- Investec
- De Beers
- Sappi
- Mondi
- Johannesburg Central Library
- Makro
- Tongaat - Hulett Starch
- Absa
- FNB
- Pick n Pay
- Masscash
- Shoprite
- Unisa
- Edcon
- Nelson Mandela Childrens Hospital

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