



# PHARMACY AUTOMATION

Ultra high speed, high volume.



## The Technology

- Automated dispensing of medicines.
- Unmatched performance of up to 600 orders per hour regardless of the number of items.
- Up to 3000 stock items per square meter.
- Support for Boxes, bottles and Patient Ready Packs/Ziplock bags\*
- Simple, reliable engineering.
- Highly condensed storage/ small footprint holds large capacity.
- Supported and maintained by PBSA, an ISO Certified company.
- Fully comprehensive maintenance options available.
- Low Maintenance and low power usage.
- Easy to use in Loadshedding conditions.

\* Custom requests

## How it works?

- Replenishment is done on the back of the robot system. Each dispensing unit is filled manually, unless the pharmacy utilises our optional AutoFill system.
- The pharmacy's logistics assistant scans the medication's bar code, enters the quantity to load, and inserts as many medication packets as directed by the software.
- RoboPharma software directs the logistics assistant where to load stock while it keeps track of inventory levels. One logistics assistant can refill 1,000 to 1,500 medication packets per hour.
- Dispensing on the other side of the robot happens as the RoboPharma software processes orders to fill. Each channel rapidly dispenses the exact number of medication packets for the required order.
- Multiple channels dispense their particular medication simultaneously for each order.
- The gravity-based system allows the packets to slide onto the conveyor below, after they have been softly caught (thus, never any damaged medication packaging).
- Once all medications are dispensed from the channels, the conveyor rapidly moves all medications for that order to an awaiting elevator for transport down the line.
- The RoboPharma robot then is ready for the next order to be picked.



# Business benefits to Pharmacy



**Intergratable into RX or other software.**



**Drastically reduce script collection waiting time.**



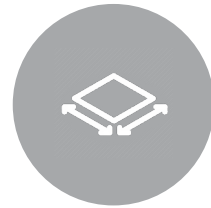
**Pharmacists time is freed up to focus on patient care.**



**Improved inventory management.**



**Improved patient safety.**



**Pharmacy floor space is optimised.**

## We are Central Filling

**Our simplified approach for a complex industry.**

RoboPharma is the industry leader for central filling automation. We deliver effective automation, simply! We develop a comprehensive project plan that emphasises speed and uptime, while maximising every meter of your available space. Maximum efficiency, productivity, and accuracy. Those are the signature results of RoboPharma central filling engineering.



### BENEFIT

### EVERY ROBOPHARMA DESIGN DELIVERS

|                            |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| <b>Speed</b>               | Unmatched by any other robotic processing system                                   |
| <b>Deep Savings</b>        | in cost, power, performance and energy                                             |
| <b>Precision</b>           | Assurance that every order is correct                                              |
| <b>Space Utilisation</b>   | Every m <sup>2</sup> used efficiently in your available space                      |
| <b>Customisation Build</b> | To suit your business plan, easily expandable in the future as your business grows |



#### Cost Reduction

- FTE reduction/savings
- Stock reduction
- Smaller shop footprint for same dispensing volume



#### Quality Improvement

- <1 error in 1m scripts
- Uniform appearance of scripts
- Uniform appearance of labels



#### Manageability

- Better data from branch to HQ
- Management reports and tools for HQ
- Foundation for future initiatives



#### Customer Satisfaction

- Pharmacist has more time for consultations
- Receives notification, scripts ready, less waiting
- 24/7 pick-up from RoboWall

# Dispensing Design

RoboPharma Robots

**Fast, compact medication picking without complex automated dispensing.**

The heart of a RoboPharma central filling robotic system is our unique Channel Dispenser technology. Operation of this system is based on gravity and proven technology to move fast-moving medication packets without the noise, energy demand, and cost of upkeep that you typically find with complex robot picking. Any RoboPharma design that includes high-speed dispensing robots starts with our ingenious method of storing and picking doses.



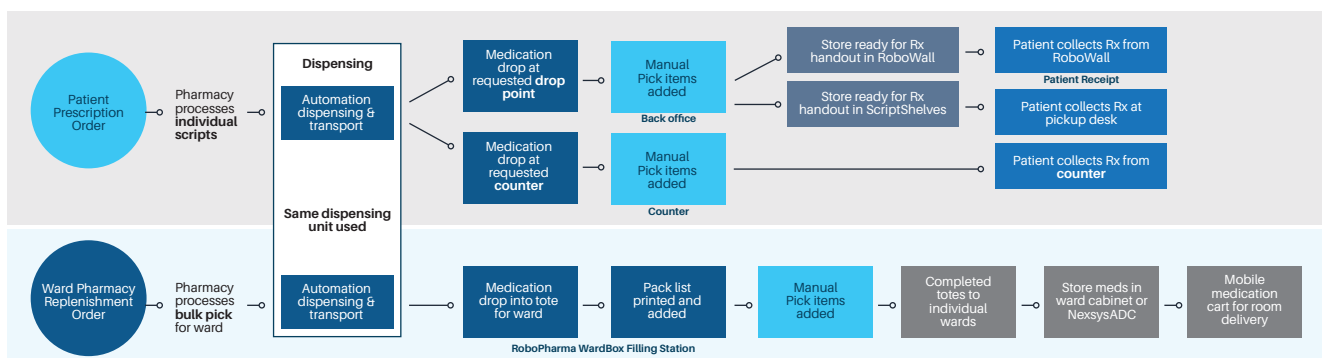
Our Medication Dispensing Channels are 1- to 5-wide to accommodate almost any medication package size. Each unit is compact, from 2 square meters, and can be swapped quickly for future adjustments.



Channel dispensing benefits include **low power usage, quiet operation, and no downtime.** Full access to stock is available even in a power failure or scheduled maintenance.

## Pharmacy Order Processing

Patient Level or Ward Level Dispensing



Registered with SAWIC in all 3 sectors' below:  
EEE: 19/7/6/E/PRO/20210512/001  
LIGHTING: 19/7/7/L/PRO/20211123/004  
PACKAGING: 19/7/5/P/PRO/20211123/022



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