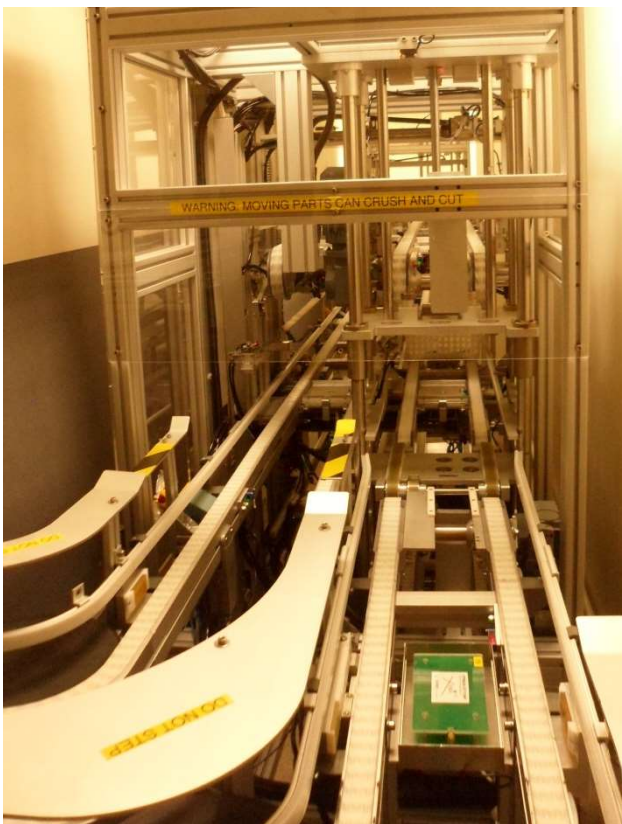




AUTOMATED PHARMACY DISPENSING SYSTEM



Designed for a local government hospital here in Singapore, the system automates the prescription fulfilment process from the submission of the prescription right through to the delivery of the medication at the dispensing counter. With the use of RFID technology as well as customised software, the system minimises patient queue time through real-time optimisation of the available counters and consolidation of multiple RFID-tagged receptacles linked to the same prescription. The APDS is also capable of tracking medicine receptacles in a many-in-many-out network with a circular buffer to consolidate and piece up the constituent parts of a prescription.

Features & Benefits

- Improves productivity with the reduction in the number of pharmacy technicians that are required to pack and deliver medication from backroom to the front line counter. Staff could be redeployed to other activities that require human interaction.
- Reduces error rate as it minimizes dependency on manual location and packing of drugs, which could result in wrong drug or dosage being taken from the shelves.
- Reduces waiting time of patients due to improved backroom efficiency as well as minimising the need for the pharmacists to verify that the right prescriptions have been dispensed to the assigned counter.

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