

# RP20 Dispensing Robot



Viewed from dispensing side, with optional slow mover door



Viewed from replenishment side

Overall Dimensions	Details
Unit Dimensions - RP20CN1000 model	(2450x1600x2400) (lxbxh)
Unit Dimensions - RP20CN1500 model	(3550x1600x2400) (lxbxh)
Access/Work Space Inside Pharmacy	600mm on the dispensing side; 1000-1200mm on the refilling side
Power Requirement	400V 3phase 16A per phase 50Hz commando socket (no earth leakage) and 240V single phase
Weight	1350 kg (RP20CN1000 model); 1900 kg (RP20CN1500 model)
Space Preparation	Area must be cleared and accessible; connections must be ready
Exterior Materials Used	Aluminium, steel, polycarbonate (clear panels), aluminium and plastic (gray sandwich panels)
Capacity	
Maximum Number of Packages	12600 for CN1000; 18900 for CN1500
Package Sizes	Based on average pack size of 100x18x45mm. Maximum pack sizes 200x132x105
Other Packaging (e.g., bottles, strips, blister strips)	Consult with your RoboPharma account manager, blister strips are possible with additional module
Typical Configuration	RP20 combined with elevator(s), conveyors and drop points
Reconfigurable After Installation?	Channel configuration is adjustable after installation
Dispensing Channels - Standard Length	With optional Slow Mover Door
Length	1200mm
Available Sizes	Type 1 ; 2 ; 3 ; 4 ; 5 ; 6(5H) ; 7 (2as)
Storage Capacity/Channel	Respectively : 1 ; 2 ; 3 ; 4 ; 5 ; 5 ; 2 rows with products
Max product width for channel type	Respectively : 132 ; 64 ; 41 ; 28 ; 22 ; 23 ; 87mm
Dispensing Channels - Slow Mover Length	
Length	300mm
Available Sizes	type 1 ; 2 ; 3 ; 4 ; 5 ; 6(5H) ; 7 (2as)
Storage Capacity/Channel	respectively : 1 ; 2 ; 3 ; 4 ; 5 ; 5 ; 2 rows with products
Max product width for channel type	respectively : 132 ; 64 ; 41 ; 28 ; 22 ; 23 ; 87mm
Conveyor & Elevator	
Dimensions, elevator	1500 x 500 x height (height can be adjusted to location's ceiling)
Options, drop point	Drop point in elevator; Single drop point on desk; Double drop point on desk with separator in drop point
Conveyors	Used to link the RoboPharma system to the drop points

Specifications, availability & components are subject to change without notice.

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<b>Drop Points</b>	
Maximum number per RP20	Available, ask your RoboPharma account manager
RoboLabel integration	Optional integrated for each drop point
<b>Operation</b>	
Dispensing Speed	400 prescriptions per hour (avg. 6 packs/prescription)
Restocking Speed	750-1,000 packs per hour
Technician Labor Required	Dispensing requires no labor. Refilling requires barcode check, then medication package loading into channels. Drop Point requires technician to receive medications, barcode check, apply label, and process.
Upkeep/Cleaning	Regular cleaning of medication channels, touch screen, scanners, observance for conveyor alignment. Do not use aggressive solvents on any RP20 materials
Maintenance Plan	1x year on-site maintenance
Training	Included during new unit installation
<b>Software &amp; Interfacing</b>	
Touch Screen	43 cm
Barcode Scanner - Touch Screen Support	2D, wired
Barcode Scanner - Restocking Station	2D, wireless, bidirectional, embedded screen
Software Platform	RoboPharma Dispenser software
Data Requirement	2x network connection RJ45 (one connected to branch network and one accessible for online support)
Connectivity	Interface required between dispenser software and Hospital information System/ Pharmacy Information System
Interfacing Details	Available, ask your RoboPharma account manager
Related RoboPharma Technologies To Interconnect	Ask about Capsa's RoboPharma RoboWall, ScriptShelves, Home Deliveries, RoboBasket