

OMEGA fact sheet

MAIN THEME	SUB THEME		DETAILS
GRIP MODES	STORAGE MULTIPICKING	YES	Several identical boxes arranged in one take.
	DISPENSING MULTIPICKING	YES	Several identical boxes delivered in one take.
	STORAGE MULTIREFERENCES	YES	Several products of different sizes arranged in one take. Provides fastest order storage on the market (720 boxes per hour)
	DISPENSING MULTIREFERENCES	YES	Several products of different sizes delivered in one take. Provides fastest order preparation on the market
	ORDER BY ORDER	YES	Standard configuration
	LINE TO LINE	YES	Free option
	FINGERS	YES	Fingers only, non-parallel movements
	SUCKER	NO	No risk of opening the boxes, no limit on the minimum height of a box or its closure
	ROTATION	NO	Less movement, less wear (therefore more reliable), less clutter, more storage through movement on bidirectional conveyor
	UNIVERSALITY	YES	Design allows the management of all types of packaging, including cylindrical and flexible products
GUIDANCE SYSTEMS	OMEGA Classic		Belt, speed 1 m/s, acceleration 1 m/s
	OMEGA PLUS		The fastest in the market. On rail, onboard motor, max speed 7 m/s, acceleration 5 m/s - wireless
STOCK MANAGEMENT	PHYSICAL INVENTORY	YES	Laser telemetry, automatic, scheduled or on-demand
	MANAGEMENT OF LOTS	YES	Management by data matrix codes
	MANAGEMENT OF OBSOLESCENCE	YES	Management by data matrix codes
	OTHER MANAGEMENT	YES	Each box is unique (no impact on the operation when there is a change in size of a product)
	TRACEABILITY	YES	FEFO management of boxes
AUTOMATIC OPTIMISATION	REORGANISATION OF IDENTICAL REFERENCES		Freeing of space by gathering identical references (then by rotation, then by dimensions)
	REORGANISATION OF MULTIREFERENCES ON SHELVES		Automatic compaction when the shelves are full (defragmentation)
			Replenishment report: configurable minimum stock alerts (in the case of reserves without equipment)
AUTOMATIC ERROR CORRECTION		YES	The sensors locate potential positioning defects of boxes and trigger corrective action
			Positioning of heavy rotation products near exits

Note: Box by box traceability mandatory for receipt of all **incoming** pharmacy deliveries

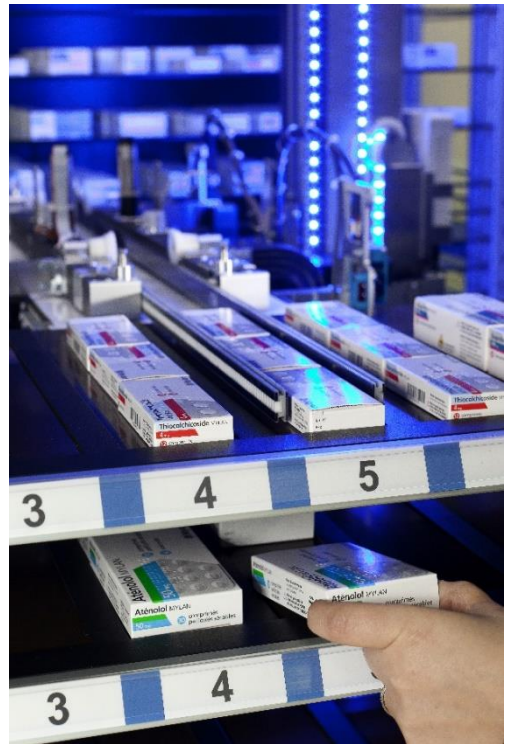
PHARMACY ROBOTIZED SOLUTIONS

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STOCK ARRIVAL	NUMBER OF BOXES TAKEN DURING LOADING		The capacity is limited by the length of the fingers of the robot and makes it necessary to perform the loading in more sequences and in order. But it can still take up to five boxes at once!
	LOADING DOOR	YES	Capacity up to 1000 boxes before saturation point
			No waiting or saturation since the robot works together with the operator in charge (<u>Note</u> : a product in the loading door is considered in stock and therefore available for sale)
	PRODUCT SCAN	YES	A reference scan is performed on entry for immediate availability for sale and faster storage
	HUMAN WORKING TIME		720 boxes per hour
	AUTOMATIC LOADING	YES	VIEW ALPHA SORTING OPTION FOR INFORMATION
STORAGE SHELVES	VERY HIGH DENSITY	YES	Up to 4000 boxes per m ² storage
			40 cm deep
			Ability to store products of many different sizes
			Standard glass model (metal optional)
MODULARITY		YES	Unlimited length, can have a robot in "L", "S", "O" or "U", can have multiple robots on the same axis
SCALABILITY		YES	Possible evolution towards OPTIMA by adding automated dispenser (see OPTIMA product)
			Possibility of increasing the initial capacity (adding modules)
			Possibility of several arms on the same axis
			Possible relocation
CONVEYANCE		YES	Possible direct outputs (preparation in retirement homes, multiple-output family medication facilities)
			Possible personalised conveyance: conveyors, elevators, unlimited delivery points: for greater delivery rate, possible delivery along the length of the robot (optional)
ENERGY CONSUMPTION			OMEGA +: only 180 W thanks to a proprietary energy recovery system
			OMEGA Classic: 750 W
DIMENSIONS OF PRODUCTS HANDLED	MINIMUM (LxWxH in mm)		15x5x5
	MAXIMUM (LxWxH in mm)		380x200x300
WEIGHT OF PRODUCTS HANDLED	MAXIMUM		2.5 kg
SOUND LEVEL			OMEGA Classic: 55 dB
			OMEGA PLUS: 49 dB





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