

# OMEGA FACT SHEET

MAIN THEME	SECONDARY THEME		DETAILS
GRIPPING MODES	MULTIPICKING STORAGE	YES	Several identical products stored in one go.
	MULTIPICKING DELIVERY	YES	Several identical products delivered in one go.
	MULTIREFERENCES STORAGE	YES	Several products of different sizes stored in one time. Provides the fastest order storage system on the market (720 products per hour)
	MULTIREFERENCES DELIVERY	YES	Several products of different sizes delivered in one go. Allows to have a fast preparation of the orders.
	ORDER BY ORDER	YES	Standard configuration
	REFERENCE BY REFERENCE	YES	Free option
	FINGERS	YES	Fingers only, non-parallel movements.
	SUCTION CUP	NO	No risk of opening the boxes, no limit on the minimum height of a product or its locking
	ROTATION	NO	Less movement, less wear (therefore more reliable), less clutter, more movement storage on bidirectional belt.
	UNIVERSALITY	YES	Design to manage any type of packaging, including cylindrical and flexible products
LEADING SYSTEM	OMEGA Classique		Belt-driven, speed 1 m / s, acceleration 1 m / s <sup>2</sup>
	OMEGA PLUS		Faster, on rail, on board motorisation, max speed 7 m / s, acceleration of 5 m / s <sup>2</sup> - wireless communication
STOCK MANAGEMENT	PHYSICAL INVENTORY	YES	Laser telemetry: automatic, scheduled or on demand
	BATCH MANAGEMENT	YES	Data matrix / EAN code management
	OUT OF DATE PRODUCT MANAGEMENT	YES	Data matrix / EAN code management
	OTHER MANAGEMENT TYPE	YES	Each box is unique (no impact on the operation during a size change of a product)
	TRACEABILITY	YES	Boxes management FEFO manner
AUTOMATIC OPTIMIZATION	REORGANIZATION IDENTICAL REFERENCES		Space release by gathering identical references (then by rotations, then by dimensions)
	MULTIREFERENCES REORGANIZATION ON SHELVES		Automatic compaction when the shelves are full (defragmentation)
			Restocking voucher: warned when a minimum configurable stock is reached (case of other stock outside the machine)
AUTOMATIC CORRECTION OF ERRORS		YES	Sensors detect possible box positioning defects and trigger corrective action
			Positioning of strong rotational products near exits

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

PHARMACY ROBOTIZED SOLUTIONS

10, avenue de l'industrie - 61200 ARGENTAN - FRANCE  
+33 (0)2 33 67 87 30 - +33 (0)2 33 67 87 31  
info@mekapharm.com - www.mekapharm.com



MAIN THEME	SECONDARY THEME		DETAILS
STOCK INPUT	NUMBER OF PRODUCTS TAKEN WHEN LOADING		The capacity is limited by the length of the fingers of the robot and forces to perform the loading in several sequences and in the order required. It can still take up to 5 boxes at a time within the limit of 60 cm in cumulative lengths
	LOADING DOOR		No waiting or saturation since the robot works at the same time as the operator charge (Note: a product in the loading door is considered in stock and therefore available for sale)
	PRODUCTS SCAN	YES	A scan by input reference for immediate availability for sale and faster storage
	HUMAN BEING WORKING TIME		720 products / hour
	AUTOMATIC LOADING	YES	FOR INFORMATION IN OPTION IS AVAILABLE THE SORTER ALPHA
STORAGE SHELVES	VERY HIGH DENSITY	YES	Up to 4000 products per m <sup>2</sup> of storage
			40 cm depth
			Possibility to store several products of different sizes one behind the other
			Standard model in glass (metal optional)
ADJUSTABLE		YES	Unlimited length, possibility of having a robot in "L" in "S" in "O" or in "U", possibility to have several robots on the same axis
SCALABILITY		YES	Possible evolution to mixed system by adding as a part an automate
			Possibility to increase the initial capacity (adding storage unit)
			Possibility to have several arms on the same axis
			Possibility to move to another location
CONVEYING SYSTEM		YES	Possibility to have Direct exit point Possible custom conveying system: conveyor belt, lifts, unlimited number of delivery points: for a higher delivery speed, possible to make delivery over the entire length of the robot (optional)
ENERGY CONSUMPTION			Robot +: 185 W only thanks to an exclusive energy recovery system
			Classic Robot: 750 W
DIMENSIONS OF MANAGED PRODUCTS	MINIMUM L x W x H in mm		15x5x5
	MAXIMUM L x W x H in mm		380x200x300 (STANDARD MODEL)
WEIGHT OF MANAGED PRODUCTS	MAXIMUM		2,5 kg
SOUND LEVEL			Robot Classique: silent
			Robot PLUS: super silent





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