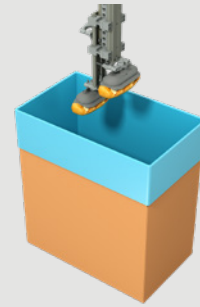


3-IN-1 ROBOT SOLUTION ARGOROBOT-41

Quality control, counting and pick & place solution to feed any container with any type of bag and product.



THE
VERSATILE
PICK & PLACE
SOLUTION

Maximum Versatility

- **One solution** for a wide range of light and heavy bagged and raw products
- **Extra wide conveyor** available
- **Consistent packing** of your products - 24/7
- **Non-conform** products are **rejected**

Robust solution

- Box conveying engineered for **optimal flow**
- **Quick changeover** between products & boxes
- In-line product specific **quality control & counting**
- **Bulk products** can be **packed independently** from the robots



Watch our videos
at pattyn.com

TECHNICAL SPECIFICATIONS

ARGOROBOT-41

3D and color vision technology

- Highly accurate 3D scanning system to guarantee the product shape
- Non-conform products are identified and will not be picked
- Argo3D® inside: newest generation of 3D stereovision

Box conveying

- Empty box distribution and full box collection from a central conveyor under the product flow
- Empty boxes are buffered upstream to guarantee continuous operation of the robots

Robot picking system

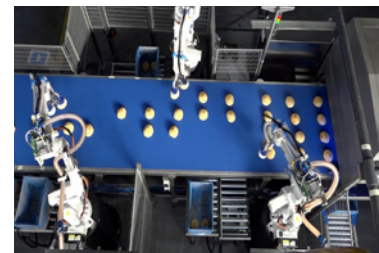
- Unique Pattyn softwares maximizes robot efficiency
- Minimal interference with the products and maximal speed
- Possible to access the robot during the production process

Product handling

- Robots have 2 individual suction cups or mechanical grippers to ensure gentle product handling
- Quick & tool free gripper exchange
- The optimal combination of Double Pick / Single Drop, Double Pick / Double Drop or Single Pick / Single Drop is chosen in function of the product and its packing arrangement
- Only conform products are picked, non-conform products are collected at the end of the line.

Handling of bulk products

- Direct bulk filling station MEC-11 optionally available
- No extra robot capacity is to be foreseen for high volume bulk products
- The combination of the 3D vision counting and an optional bottom-up-finger system separates the product flow accurately into batches



Argorobot



3D Vision



Double picking



Finger barrier

CAPACITIES PER ROBOT (UP TO)			
	Double Pick / Single drop	Double Pick / Double drop	Single Pick / Single drop
Rate	2000 p/h	1500 p/h	1250 p/h
Product Weight Max	600 g	600 g	2000 g
Product Width Max	180 mm		Box size limit
BOX SIZES			
	Length	Width	Height (flaps open)
Min	400 mm	300 mm	250 mm
Max	610 mm	410 mm	550 mm
CONSUMPTION PER STATION (ABB)			
Installed power	7 kW	Voltage	3 x 400 V + E / 50 Hz
Air supply	6 bars	Air consumption	100 NI / min
CONSTRUCTION			
Painted steel construction			
Weight 1000 kg			
OPTIONS (More options available, please contact Pattyn)			
Product conveyor width of 870, 1000, 1300 or 1500 mm			
4K linear color camera for aspect control			
MEC-11 bulk box filler			

Pattyn
ZI de la Glèbe - 314 Rue de la murette
12200 SAVIGNAC - France

T +33 5 65 65 19 05
info@pattyn.com
www.pattyn.com



The description, pictures and information given have an indicative value. We reserve the right to make changes without notice. Information and content is property of Pattyn. For customised executions please contact Pattyn. Argorobot-41 2023 - V01

PATTYN
A DURAVANT COMPANY

Turnkey solutions for industrial packaging.