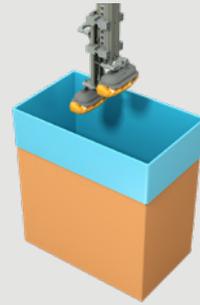# 3-IN-1 ROBOT SOLUTION
ARGOROBOT-41

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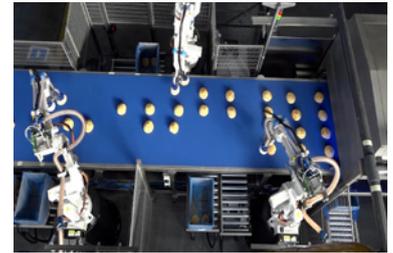
Robot picking system
- Unique Pattyn softwares maximizes robot efficiency
- Minimal interference with the products and maximal speed
- Possible to access the robot during the production process

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 Nl / 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 ®

Turnkey solutions for industrial packaging.