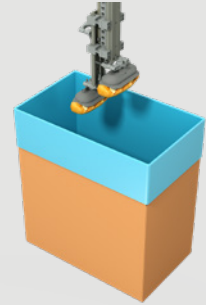


# PATTYN

A DURAVANT COMPANY

## 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](http://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

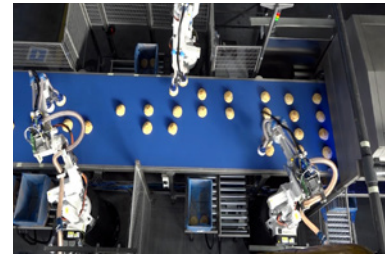
- Unique Pattyn softwares maximizes robot efficiency
- Minimal interference with the products and maximal speed
- Possible to access the robot during the production process

## 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	1.3 lbs	1.3 lbs	4.4 lbs
Product Width Max	7"		Box size limit

### BOX SIZES

	Length	Width	Height (flaps open)
Min	15 1/2"	11 4/5"	9 4/5"
Max	24"	16 1/10"	21 3/5"

### 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 2204 lbs

### OPTIONS (More options available, please contact Pattyn)

Product conveyor width of 31 1/4", 39 2/5", 51 1/10" or 59"

4K linear color camera for aspect control

MEC-11 bulk box filler

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