PATTYN®

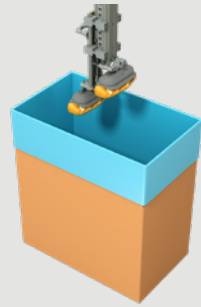# 3-IN-1 ROBOT SOLUTION
ARGOFLEX-41

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

THE UNIVERSAL HIGH SPEED SOLUTION

Maximum Automation on Minimum Footprint

- **Compact** and **high speed** pick & place system
- Box conveying engineered for **optimal flow**
- **Consistent packing** of your products - 24/7
- **Non-conform** products are **rejected**

One Solution for all types of frozen products

- **Quick changeover** between products & boxes
- In-line product specific **quality control & counting**
- **Robot picking** adaptable to a **wide range of products**
- **Bulk products** can be **packed independently** from the robots

▶ **Watch our videos**
at pattyn.com

TECHNICAL SPECIFICATIONS
ARGOFLEX-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

Flexibility
- Customized solutions for different container types:
  american boxes, (plastic) trays, ...
- Ability to feed a flow wrapper or any horizontal packing machine
- Empty boxes are buffered upstream into each filling station
  to guarantee continuous operation of the robots
- Containers are conveyed short side leading for an optimal flow
- Possibility to create a specific pattern or layer on a belt

Robot picking system
- Unique Pattyn softwares maximizes robot efficiency
- Minimal interference with the products and maximal speed thanks to delta robots
- Wide variety of customized grippers to offer the best solution for your product
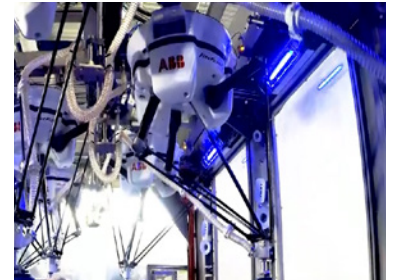
Product handling
- Single pick / single place picking
- Only conform products are picked, non-conform products are collected at the end of the line.
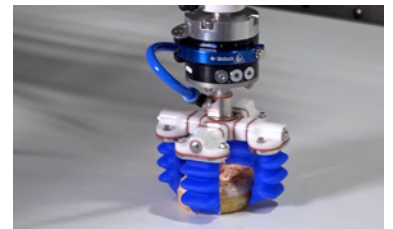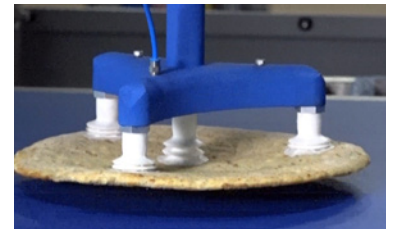
Handling of bulk products
- Direct bulk filling station MEC-11 optionally available
- The combination of the 3D vision counting and an optional bottom-up-finger system separates the product flow accurately into batches

CAPACITIES PER ROBOT (UP TO)			
Max Rate	4500 p/h		
Max Product Weight	800g		
CONSUMPTION PER ROBOT STATION			
Installed power	4 kW	Voltage	3 x 400 V + E / 50 Hz
Air supply	6bars	Air consumption	Configuration dependent
CONSTRUCTION			
Painted steel construction			
Open frame for product conveyor up to 1500mm width			
Weight 800 kg (one station with 1 robot)			
OPTIONS (More options available, please contact Pattyn)			
Product conveyor width			
Gripper			
4K linear color camera for aspect control			

3D Vision

Delta robot

Grippers customized to your product

PATTYN®

Turnkey solutions for industrial packaging.