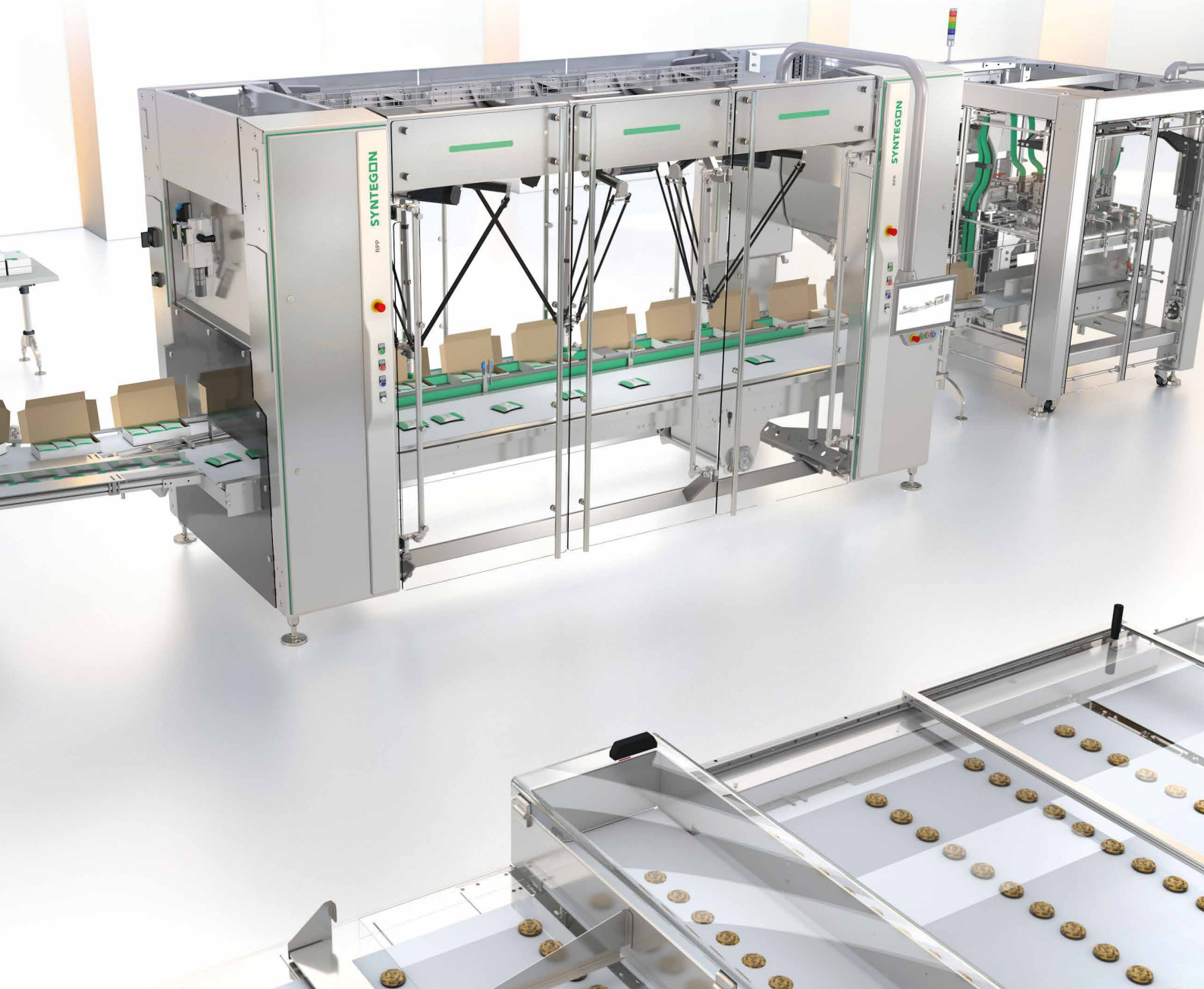


SYNTEGON

PROCESSING & PACKAGING

New Syntegon RPP Platform.

Automation. Quality. Efficiency.



Robot automation for a competitive advantage.

Automation in packaging is a fast growing trend. Especially during the Covid pandemic many manufacturers started replacing manual work with fully automated solutions. This is where pick and place Delta robots excel. They will help you to reach your production targets at highest efficiency and quality levels.



Exceeding your expectations with our system solutions

At Syntegon, we understand your requirements. Our complete system solutions are built on decades of experience in various industries. Whether you are automating your product handling to feed a single machine or automating a complete line – our system competence makes the process easier for you.

RPP: advanced pick & place technology for your production

The newly developed Syntegon RPP platform offers outstanding modular scalability within a compact footprint. The core tasks are quality assurance, easy operation and efficient production processes. The RPP cells are highly visible, easily accessible and efficient to clean. The stainless steel cells are IP65 compliant. Thanks to the tool-free format changeover you will reduce downtime, allowing you to process different products on one single line. Seamless integration of the Delta robots into the line is ensured by the open control software.



Do you plan to automate your packaging process? Do you have questions regarding your products and formats? Don't hesitate to request a consultation on your specific automation requirements.

Primary Packaging.

Gentle, flexible and scalable product handling solutions – flat and on-edge.

Product handling, distribution and feedplacing into the wrapper chain

- Vision guided robotic/product detection
- Handling – capping or stacking of cookies: belt to belt
- Distribution – feedplacing products into 90 or 60 degree wrapper chain

Product loading from process belt into tray or cartons

- Vision guided robotic/product detection
- Dual lane configuration for wide process belts of up to 1800 mm or multiple ins or outs
- Picking products from a process belt and place them into containers like trays, cartons or cases
- Co- or counterflow

Product loading of any kind of container or feedplacing into downstream machine chain

- Vision guided robotic/product detection
- Single lane configuration for process belts of up to 800 mm to feed a single discharge
- Picking products from a process belt, orientate and place them into the infeed section of a packaging machine like a wrapper or end-load-cartoner
- Load pre-made containers like trays, cartons or cases
- Co- or counterflow

RPP Target Applications – Primary Packaging

Product Handling

Feeding

Loading

Variety & Assortments

Reduced to the max: Maximum efficiency and performance on a compact footprint.

A basic RPP configuration may consist of two delta robots with a pick and place performance of up to 120 picks per robot per minute. Thanks to the modular design and the high layout flexibility you are able to scale up in small incremental steps (by 100 picks) as required to grow production.

Thanks to the clever integration of the vision system and other components into the electrical cabinet the overall design of each RPP cell is clean, open and easily accessible.

RPP's reliable performance reduces downtime, ensures high product quality and ensures customer's piece of mind to react quickly to changing market requirements. The combination of high OEE, cutting-edge technology and a compact footprint provides the best output per m².

Future-proof flexibility for your line.

Snacks

Confectionary

Cookies & Crackers

Chocolate & Bars

Bakery

Snacks

Confectionary

Chilled & Frozen

Medical, Pet- & Non Food

Powder & Granulates

Secondary Packaging.

Maximum configuration and format flexibility – fast and reliable changeover.

Product feed-placing into wrapper chain or loading containers

- Infeed sensor to feed product into a race-track grouping chain
- Single, dual or both hand infeed configuration
- Grouping of products
- Single robot arm configuration
- Picking groups or single products and place them into the infeed section of a packaging machine like a wrapper or end-load-cartoner
- Load pre-made containers like trays, cartons or cases

Double robot arm configuration for high performance applications

Product loading of any kind of container or feedplacing into downstream machine chain

- Vision guided robotic/product detection
- Single lane configuration for process belts up to 800 mm to feed a single discharge
- Picking products like pouches or bags from a process belt, orientate and place them into the infeed section of a packaging machine like a wrapper or end-load-cartoner
- Load pre-made containers like trays, cartons or cases
- Co- or counterflow
- Optional pre-orientation and pre-grouping
- Optional assortment and variety pack functions (multiple infeeds)

RPP Target Applications – Secondary Packaging and Case Packing

Product Handling

Feeding

Loading

Variety & Assortments

Connect with our team.



Link Website Topic
<https://www.syntegon.com/robotic-pick-and-place>

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