

ROBOTIC HANDLING OF BAGS

JORGENSEN ROBOTIC HANDLING

State-of-the-art loading/unloading system for pouches & bags

THE CHALLENGES

The customer, who is among Europe's leading convenience potato producers, gets the raw materials from over 200 suppliers, and the end products are supplied to the catering industry as well as supermarket chains.

Focusing on the customer's high demands for constant quality and product flexibility, Jorgensen had to solve the following challenges:

Complexity: 12 different product groups

Diversity: great product variation, depending on the supplier, the seasons, "Mother Nature", etc.

Versatility: the system must also be able to handle smaller batch sizes / sample productions

Paradigm shift: from manual handling to fully automatic system

Space availability: very limited space

THE SOLUTION

Based on the customer's indispensable requirements and task challenges Jorgensen has developed a state-of-the-art handling solution including the following clear benefits:

Highest flexibility: one complete solution for all product types with a single grip tool for all the many product variations

Fully automatic set-up: high capacity, flexibility, quality, homogeneity and removal of Repetitive Strain Work

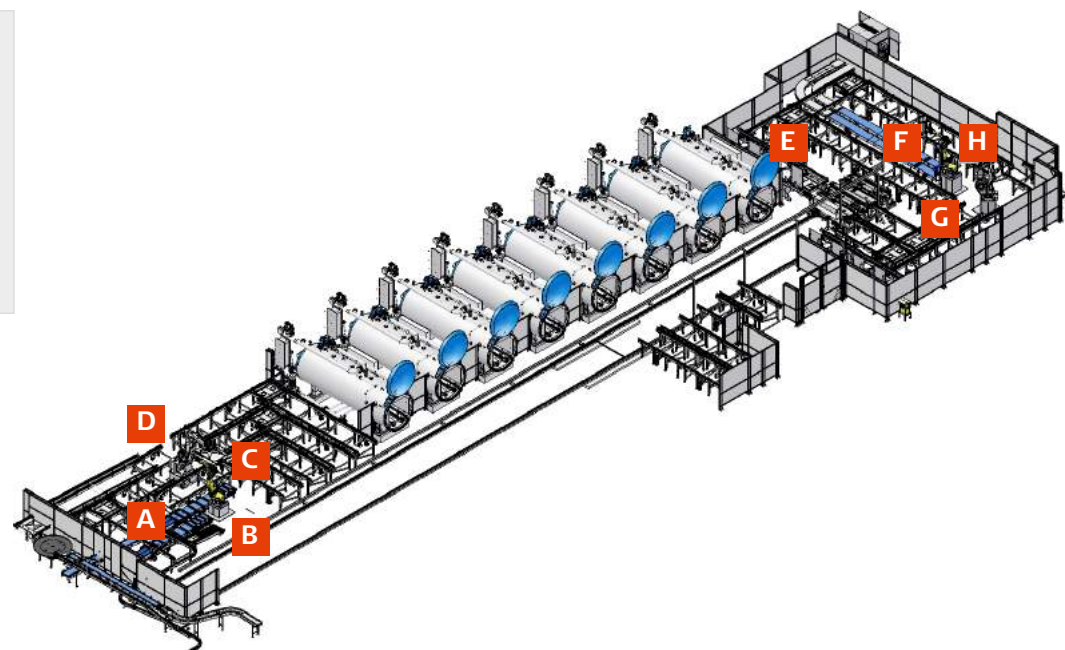
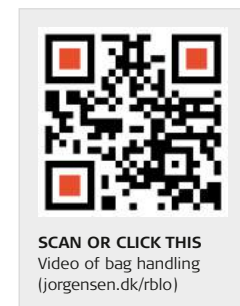
Fast changeover: product change is carried out smoothly in few minutes

Ultra compact design: the solution is specifically designed for a very limited space

Full product traceability: reliable batch information, inspection and test data



One solution fits all: one handling system for 12 different kinds of packaging



PROGRAM & PROCESSES

- A** Infeed section with positioning of products
- B** Loading section with 2 robots
- C** Loading robot with customized vacuum head
- D** Empty and full tray handling
- E** Shuttle and dewatering after retorts
- F** Unloading section with 2 robots
- G** Empty tray handling
- H** Robot with customized lifting device



Full traceability: unloader area overview



REFERENCES

A selection of our customers



Jorgensen core values: dedication, flexibility, trust, team spirit, drive, customer focus and outcome



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