

COMPANY NAME

TROLLI IBERICA

**CHALLENGE SHEET****CHALLENGE CODE**

04.1 TROLLI IBERICA

TITLE

Automation of the assembly and packaging process of candies.

DESCRIPTION

Within Trolli's range of products, there are complex treats formed by the assembly of several treats in one (e.g. hamburgers that are formed by a part of bread, another part of bread with the hamburger and one with lettuce and cheese, assembled one on top of the other to form the final product assembled in a blister pack).

In the case of hamburgers, there is a robot capable of doing the complete assembly automatically. However, there are other products with similar complexity, which are still made manually. This is the case of sausages, consisting of a part of sausage with its sauces and another part of bread that wraps the sausage, all assembled in a blister and flowpack.

HOW COULD WE

Design an automatic system for the preparation and packaging of multilayer products with blister and flowpack.

SELECTION CRITERIA

- Impact, pieces packaged per minute.
- Packaging line design, shape, elements and complexity, which can best adapt to the current installation and which will serve as a starting point for the implementation of the solution.

TARGET INDICATORS

- Simplicity of design.
- Efficiency of operation.
- Cost.
- The purpose of this challenge is to find an automatic candy assembly and packaging system.

REQUIREMENTS

- Compliance with current regulations regarding hygiene, design and operation in the food industry.
- Adaptation to the own restrictions of the automations and other components that are operative in the installation of the retort.
- The company must have the capacity to adapt components.

CHALLENGE TYPOLOGY

Process

Technology

Business

Product

KEYWORDS

Automation, Packaging, Assembly, Feeding.