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flexifeed

FlexiFeed is a compact robotic cell used for sorting and feeding bulk components to automated production lines.

Watch **Flexi**Feed in action

ADVANTAGES

FlexiFeed supports different types of robots, including SCARA, arm, and delta kinematics from various brands (Epson, ABB, Staubli, etc.).

The robot can be equipped with vacuum cups or mechanical grippers to ensure a safe and delicate grip for every type of item.

FlexiFeed is equipped with a Flexibowl® feeder, available in different sizes.

Flexible: handles parts of various shapes, sizes, and materials without the need for mechanical modifications.

Extremely short product changeover times: just a few seconds to load pre-stored settings.

Easy to manage new products autonomously: 10-15 minutes to teach a component never handled before and create a new recipe.

Quality control: incorrect or defective components are automatically detected and ignored.

Various output feeder options: moving belts, rotary tables, or belts with pucks/godets.

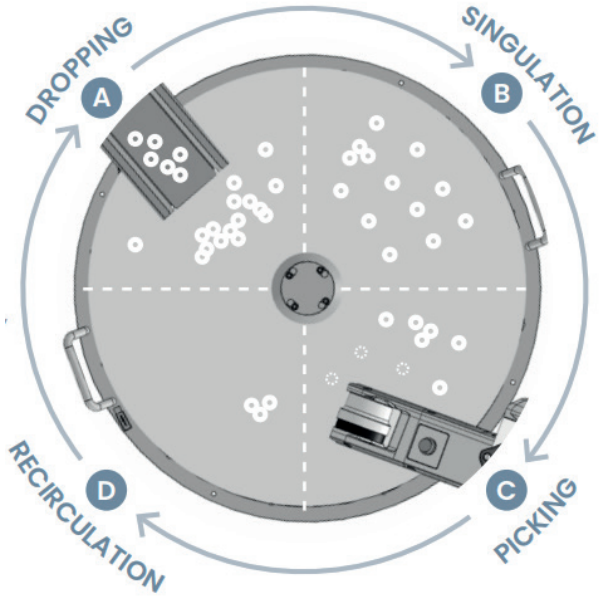
Easy to clean and maintain, particularly suitable for environments requiring high cleaning standards (food, pharmaceutical, cosmetics, etc.).

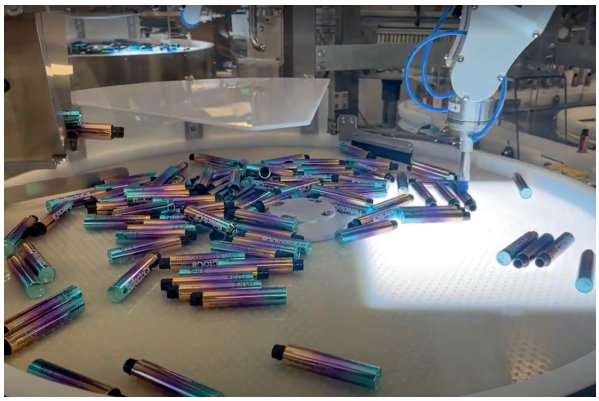
COMPOSITION AND TECHNICAL SPECIFICATION

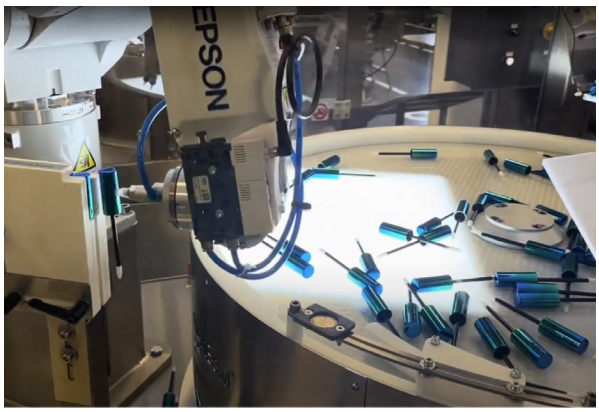
CELL COMPOSITION

FlexiFeed is composed of four main elements:

- A motorized hopper that holds the bulk components to be sorted
- A Flexibowl® feeder that separates and prepares them for picking
- A vision system that identifies the components on the Flexibowl® and communicates their position to the robot
- An arm robot that picks, orients, and places the pieces on the destination line







TECHNICAL SPECIFICATIONS

- **ITEM SIZE:** Maximum 250 mm – Minimum 1 mm
- **PRODUCTIVITY: Flexi**Feed can identify, pick, and position up to 35-40 pieces per minute (an ad hoc evaluation is required for higher cycles)
- **POWER SUPPLY:** 100-220V / 50-60Hz
- **COMPRESSED AIR:** 6 bar
- **REMOTE ASSISTANCE** included
- **Industry** 4.0 ready
- **DIMENSIONS:** 1340 x 1000 x 1900 mm (L x W x H)

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