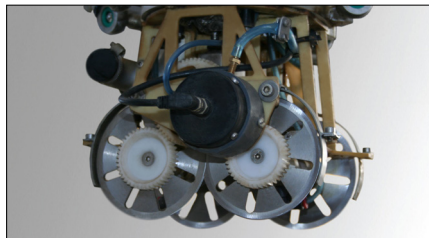
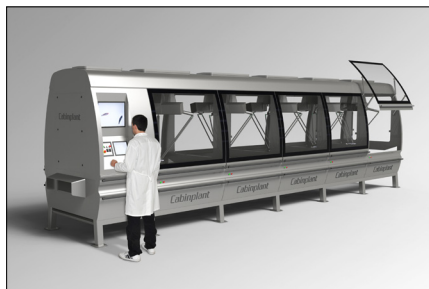
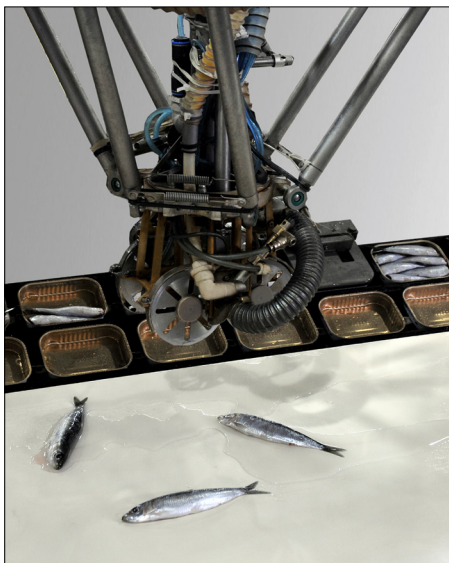


Robot trimming and packing line for sardines



CABINPLANT PRODUCT SHEET

Cabinplant has taken a completely new approach by combining food processing and packing in a robot-supported handling system for fish and shrimps: All of the processing steps (separation of head and tail, removal of viscera, size grading) are performed in the pick-and-place operation during which a robot transfers individual products from a feeding conveyor into the package. At a single stroke, this system eliminates a number of the handling steps required to link the individual processing stations in traditional methods, which also take up extra time and space. The new system is an integrated process with an uninterrupted automation sequence, setting new standards in space minimization and throughput rate.



Compared to existing solutions we can reduce give-away by 10 to 12% with our new invention. Depending on the product type, size, and weight, the robot can process and pack between 40 and 50 pieces per minute. By adding multiple robots, the machine's total input can be increased in a linear ratio to the number of robots.

Application

- For trimming and cross packing of sardines in cans

Functionality

- Vision control for measuring weight and dimensions
- Tracking of product and package
- Waste removal
- Automatic trimming
- Oriented packing
- Rejection of foreign matter

Advantages

- Payback time: 1-2 years
- Labour savings
- Reduced give-away
- Integration of grading, nopping and packing in one operation
- Automatic cross-packing in cans
- Full traceability of product and package
- Stainless steel construction (easy to clean)

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