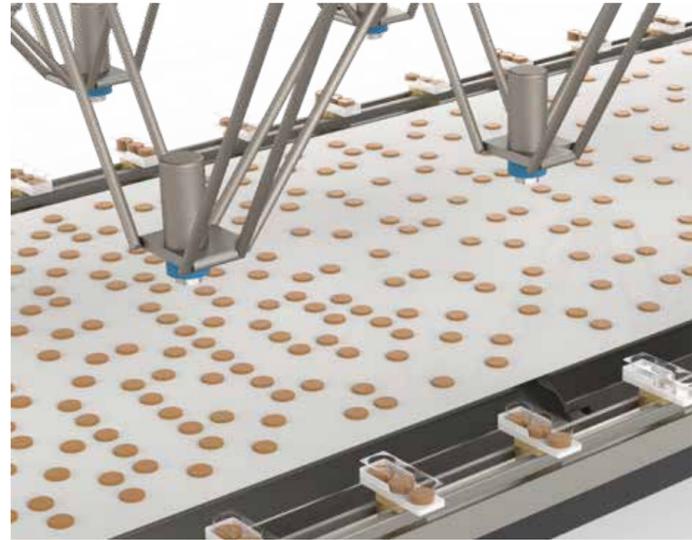


NEW



Magnetic drive track
This track features individually controlled (position and motion) carriers, with click-on holders. The (exchangeable) holders are either designed to carry 'naked' slugs or piles or trays. As the holders move along the COOKIEBOT™ system, they will individually collect their share of the product flow. At the end, the collected slugs or piles or trays will be transferred to further packaging.

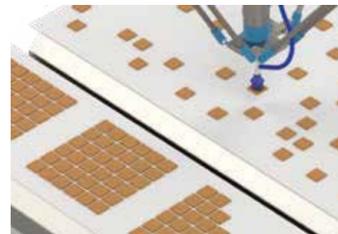


Product spreading
By means of angled conveyors, the products are spaced to create sufficient distance between the products.

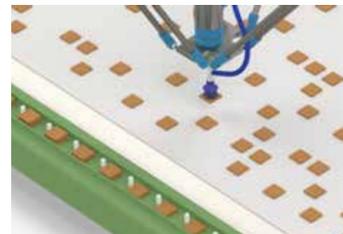


Tray denesting
When applicable, this is performed by a tray denester. Trays are placed on the carriers of the Magnetic drive track.

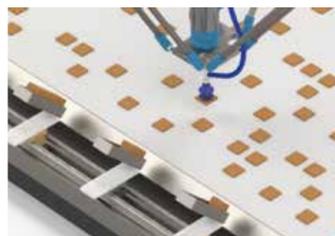
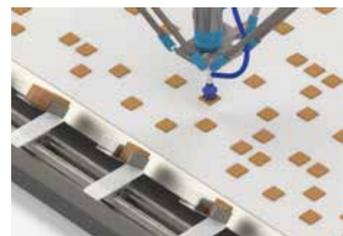
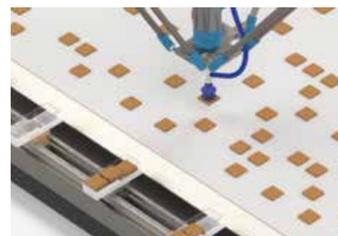
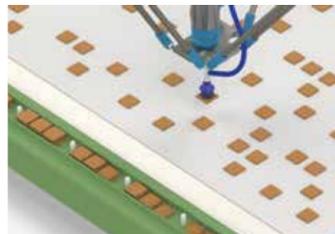
Different loading configurations



Re-arranging product from the main conveyor to another conveyor.



Direct placing of product in the infeed of a flowrapper (as an individual product, in a pile/stack or in an already positioned tray).



Indirect placing of product in a carrier of the Magnetic drive track (in a pile/stack, on edge in a slug either without tray or in an already in the carrier positioned tray).

First in biscuit feeding

COOKIEBOT™ System

HOUDIJK HOLLAND

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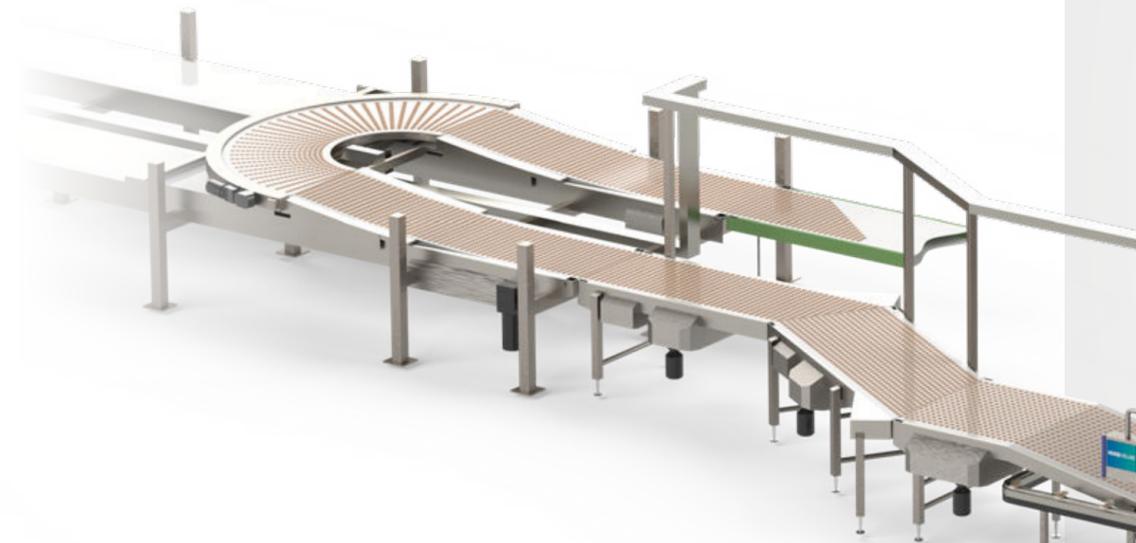
Engineered to last - Always fit for use

HOUDIJK HOLLAND

COOKIEBOT™ System

The COOKIEBOT™ System is designed for medium capacity cookie lines, characterized by producing an array of different product sizes and shapes and different pack configurations.

The COOKIEBOT™ system comprises the combination of a FIFO INFLOW BUFFER™ and COOKIEBOT™ Pick & Place modules - whereby the number of modules relates to the line capacity. The FIFO INFLOW BUFFER™ primary function is to compensate for the downstream inefficiencies, consequently avoiding that good product goes to waste in case the downstream wrapping equipment stops.

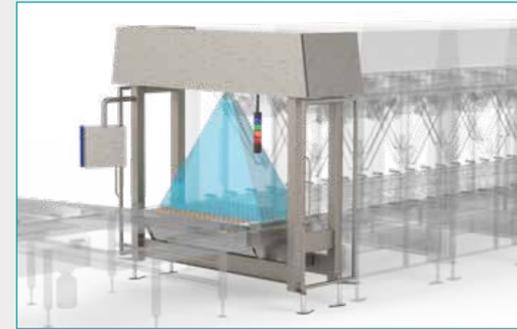


Products

Different than a conventional loading system - which is more dedicated - the flexible COOKIEBOT™ System makes it possible to handle a wide variety of different product sizes and shapes (round, square, rectangular, oblong or other), a cookie, a sandwich biscuit or a tartelette, plain or chocolate coated.

Loading configurations

Each COOKIEBOT™ system can be configured differently, with various functions in mind: eg. loading products in a flightbar of a wrapper, loading into trays (either flat, on edge or shingled) or forming organised patterns on a parallel conveyor.



COOKIEBOT™ Vision module

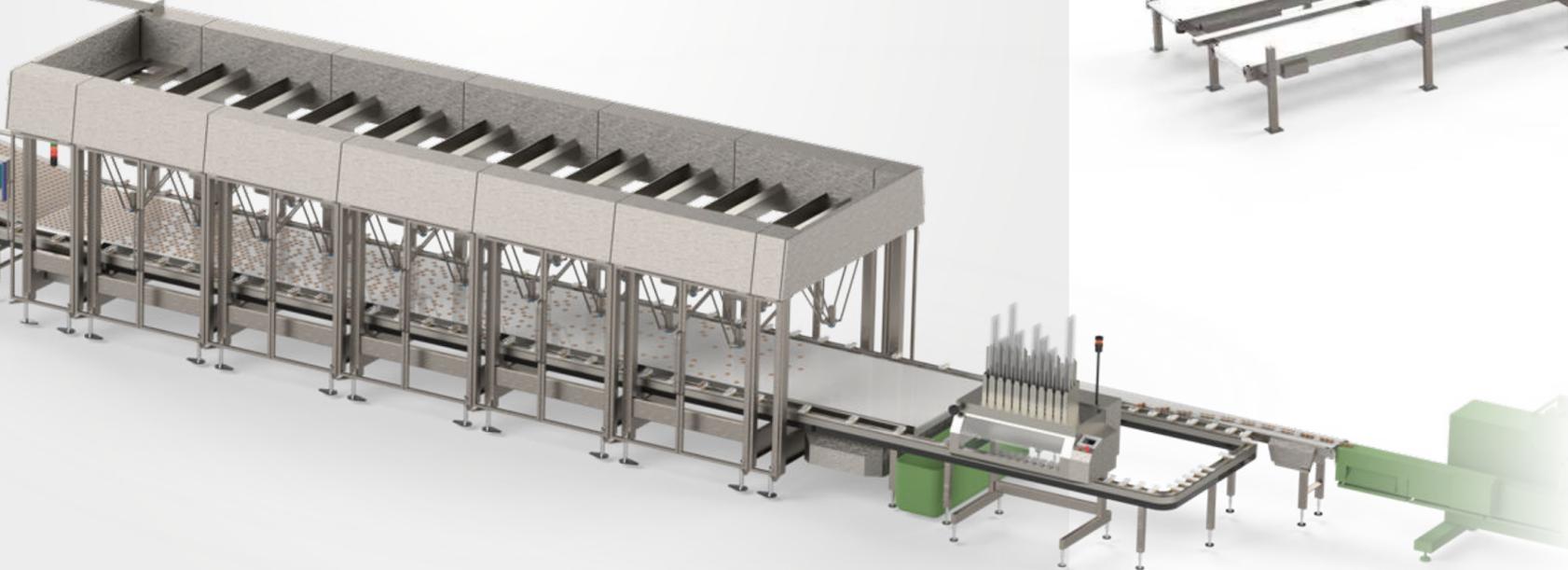
The system will identify the product positions of the products that will be loaded and directs these - via an algorithm - to the available load positions.



COOKIEBOT™ Pick & Place module

Based on the line capacity, the system can feature multiple COOKIEBOT™ Pick & place Modules, each featuring 1, 2 or 4 overhead positioned Pick & Place robots. Each cell operates as an independent unit. Each Pick & Place robot is a 3-axis robot able to move in a defined X, Y, Z ranged area.

The gripper (execution depends on the application) of the robot offers 1 or 2 additional axis to rotate the product and angle the product.



Product gripper

The execution of the Robot gripper is engineered to the requirements of the project and the character of the product. The gripper can be based on vacuum, mechanical or a hybrid execution.

The pick and place process can be either picking and placing individual products or having a gripper which first picks an organised assembly of products before it places the group in the required position.



First In First Out FIFO INFLOW BUFFER™

The FIFO INFLOW BUFFER™ system features a 'U' shaped conveyor configuration, with a movable, 180 degree curve conveyor. The system conveys all incoming production through to the main COOKIEBOT™ conveyor. In case of a connected wrapper stops, the 'U' shape automatically lengthens to buffer product. In case the connected wrapper is available again, it shortens when emptying.

Buffer refeed takes place at a to be defined overcapacity during regular production.



The FIFO INFLOW BUFFER™ can be executed in a multi-level configuration, for maximum buffer time and minimal footprint.



The multiple levels can also - optionally - function as cooling conveyors, with passive or active cooling.