High Speed MRS NEW

500 ppm

PRIMARY AND SECONDARY PACKAGING

Modular Robotic System

The MRS is a modular and multifunctional packaging system, made of identical robotic cells that, by changing an applying the intended tooling, can carry out different operations; or they can achieve higher production rates by adding more modules.

The High Speed MRS module can be used to feed a wrapping machine or to fill secondary packages with items arriving in a single row.

TECHNICAL DATA

Control system	PLC, touch screen control panel , remote assistance
Marking	CE , CSA, UL
Payload (robot)	12 kg
N° of axis (robot)	3
Ppm	up to 500



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ROBOTIC SYSTEMS FOR FOOD INDUSTRY



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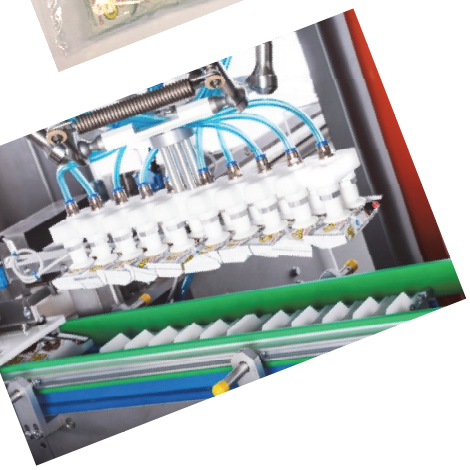


The High Speed MRS module is equipped with a high performance dual-belt sorter, capable of overcoming 500 ppm.

The buckets holding the product items are connected to the belts by a tool-free system, so that they can be easily replaced, for a quick format changeover.

The three-section conveyor for distancing the items before entering the sorter includes sensors for detecting the correct length and distance, and a rejection system.

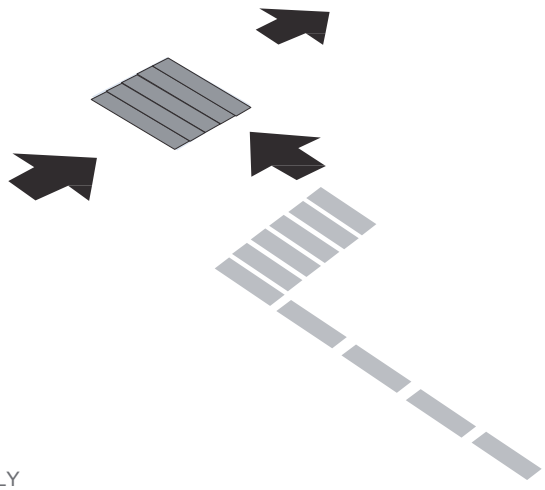
Furthermore, the module includes a 3 axis “delta” robot, combining high speed, tracking function, medium payload and sturdy construction. This also allows to use medium weight robot tools, that can include the function of changing the arrangement of the pieces from picking to placing, without losing anything in speed. Also the robot tool can be easily replaced.

The combination of all these elements originates a solution that is, at the same time, reliable, fast and flexible. It can be used to feed items to a primary wrapping machine, or to feed wrapped items to a multi-wrapper, or to fill a secondary package.

The electric panels are located on the top of the cells which is the most safe position during the machine cleaning.

TYPE OF PACKAGING





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