

Loesch FLEXPICKER™

Robot system FlexPicker™ for high performance top loading

The high performance robot system FlexPicker™ is the best tool for a robot supported packaging process. The system is utilised especially for the filling of trays, folding cartons and boxes with packed and unpacked confectionery and biscuits. The products can be inserted any way you please in mono and assortment packaging. It enables each robot to output up to 140 pick & place cycles per minute.



Technical Features

Main applications:

- The FlexPicker™ is the core component of high-performance, flexible packaging systems.
- The combination of one or several robots with peripheral components results in a host of custom-tailored, specialized packaging solutions.
- This includes: Feeding and grouping systems, vision systems, destackers for plastic trays, cartoning machines as well as other handling components.

Design features:

- Machine, grippers and total system design adapted to the respective task
- Parallel kinematics "Delta 4"
- Direct drive axes
- Low vibration, solid construction
- Space saving, compact construction
- Fully sealed and easy to clean
- Available as a wash-down version

Special advantages:

- With 140 pick & place cycles per minute using robots that are the fastest robot systems in their class
- Gripper systems and vacuum suckers always specially designed for the product and task
- Picks up and fills even difficult and pre-packed products
- Integrated form and quality test of products by image processing system
- Products on fast running conveyor belts can be grasped in motion by the "FlexPicker™" and placed into trays or boxes with precision
- Position detection of trays after every loading for precision loading and high machine efficiency
- Simple change-over of the "FlexPicker™" with short conversion times for maximum flexibility
- Very high hygiene standard
- Fast cleaning and maintenance by optimum accessibility
- Especially high degree of availability and reliability
- Short start-up times
- Robot technology from ABB, the world's leading manufacturer
- Excellent service through the global service network
- Excellent price/performance ratio

