



Mould Handling

Flexible De- and Re-Palletizing

FLEXIBLE IN PRODUCTION, PRE- AND POST-PROCESSING

The flexible Bosch Rexroth Solution Set optimizes your production processes through automated depalletizing and repalletizing of moulds. Whether in the production line or for loading and unloading at washing machines, our solution adapts to your needs. It handles up to 600 heavy moulds (up to 10 kg) per hour and, thanks to diverse gripper types (vacuum / mechanical) and rotation/swivel functions, no confectionery application is overlooked. An innovative vision system detects pallet positions as well as residues in the moulds for automatic sorting out or operator notification. Intermediate layers, e.g., made of paper, are also detected and sent for recycling. Open interfaces and standards ensure easy integration and future viability.

Advantages at a glance



Up to 600 moulds per hour



Flexible handling of various formats and sizes



Different gripper types (vacuum, mechanical) for up to 10 kg



Space-saving because of modularity and various configurations



Position and residual detection



Reliable Bosch Rexroth components and global service

Components



Bosch Rexroth Linear Technology for Cartesian 2D and 3D robot systems



VarioFlow conveyor system ensure smooth and flexible material transport and handling



Intelligent drive electronics for the requirements of today's complex single and multi-axis systems

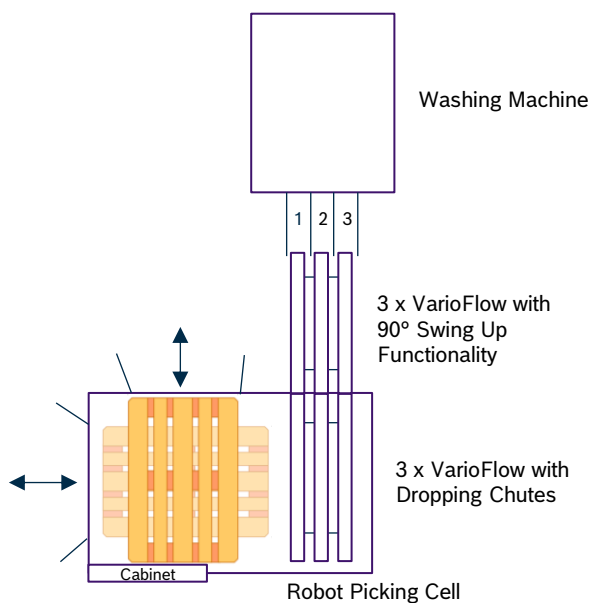


Bosch Rexroth aluminum profiles and EcoSafe protective fence components are flexible and ensure compliance and safety



The ctrlX automation platform from Bosch Rexroth controls processes and tasks and is a flexible interface to other systems

System Overview



Decoupling of the process steps de-/re-palletization, transfer and infeed/outfeed



Flexible plug and play placement of the small footprint components



Transfer and bridging of long distances possible



Compensation for height differences, no Z-Axis at the cartesian system required



Smart handling and communication between the different components

Contact

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