

Featuring new glass bottle slide gates for a constant flow of bottles From Pallet to Conveyor

The journey through the filling line usually begins at the depalletizer or glass pusher. Glass pusher output must be exactly matched to filler output to constantly supply the entire filling line with fresh glass bottles. The new glass depalletizer Certant R from Autefa Solutions is used to sweep off product layer by layer. At the depalletizing position, the top layer is gripped and pushed onto a height compensation plate. This lowers to the correct conveyor height and the product is pushed onto the discharge conveyor. Subsequently, packaging materials such as intermediate layers and lids are placed on stacks provided for this purpose.

The glass pusher Certant R can be adapted for all bottle types. To ensure proper transfer, the product must stand stable on its own. If this requirement is met, it is almost irrelevant whether the bottles themselves are round, oval, angular or asymmetrically shaped. Bottles, cans, and beverage cartons can be pushed off equally safely. Added flexibility is built into this system, for example by pushing off from carton trays. For this task, where most manufacturers switch to a lifter with a tube gripper, Autefa Solutions relies on opening the cartons in the push-off direction. On the opposite side, the carton is fixed with grippers to prevent the layer from twisting during push-off. This function can be added on a modular basis according to customer requirements.

Systems from Autefa Solutions are customized for breweries as well as for other beverage producers such as NOLO operations and wineries. The basic machine remains the

same, but the specific needs of each client are considered. As a rule, wineries have more product and format changes per volume. The company's depalletizers are designed for a capacity range between 6,000 - 40,000 bottles per hour. For special lines, such as trays with film, the system is also viable for lower output ranges.

Handling broken glass is an important factor in many bottling operations. The Certant R new glass sluice gate has been extended to include the anti-bottle breakage module. The patented anti-breakage module significantly reduces glass breakage. For this purpose, bottles are secured during every lifting and pushing movement and remain fixed during transfer until the push-off head is oriented above the bottle neck. The risk of bottles falling before or during the push-off process is thus demonstrably reduced.

Whether modernisation, line expansion or adaptation to new bottle formats, the Certant R new glass pusher optimises production goals, yet stays flexible. To be able to process new bottle formats from the pallet to the conveyor with glass bottle depalletizers from Autefa Solutions, the basic design can easily be adapted or modified. For larger adjustments, such as additional depalletizing and unpacking of crates, the changeover head must be re-adapted. Reference customers from the beverage industry have achieved satisfactory ROI within two years. This is achieved through savings on maintenance contracts, fewer repairs, and reduced downtime.

The company has been developing and supplying turnkey automation systems and customised machines for more than 60 years. The company specialises in automated systems that cover the entire material flow from production machines to the storage of goods in intermediate warehouses. The focus is on innovative, highly customisable solutions. The company plans, designs, and installs complex systems and provides intralogistics solutions for the plastic container, food and dairy, beverage and non-food industries.

Further information:
www.autefa.com or at
drinktec Hall A4 booth 514

