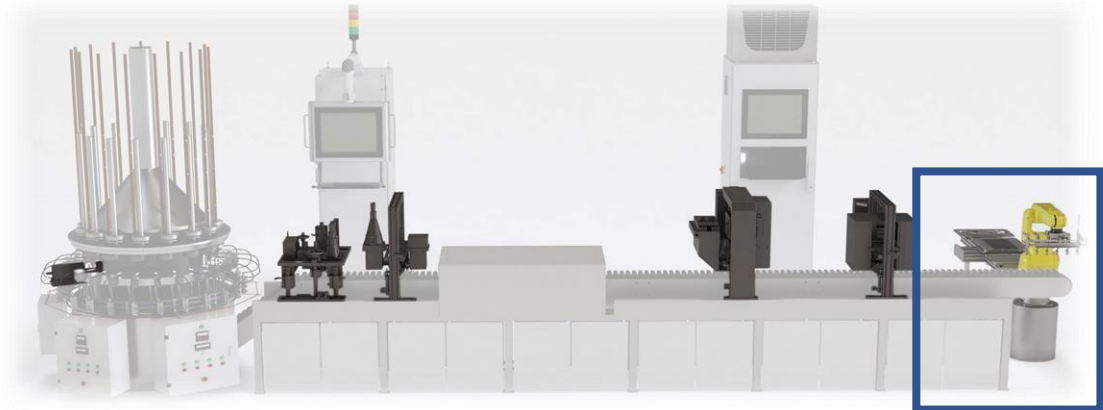


Packing Solutions for Primary Packaging Glass



Robot Packaging

Vimec's glass packaging solution provides customer with a flexible end of line packaging solution. Ampoules, cartridges, syringes and vials can be automatically packed into boxes and trays. Vimec's solution can be applied to new and existing production lines. A robot arm with gripper system is used to pick up the products directly from conveyor after the lehr and pack them without the need for a pitch change step in between.

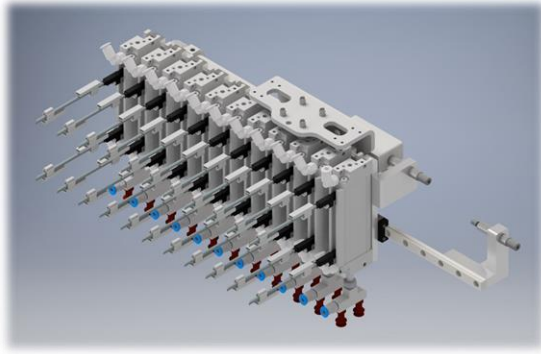


Extendable conveyor system for longer autonomy

No change over parts

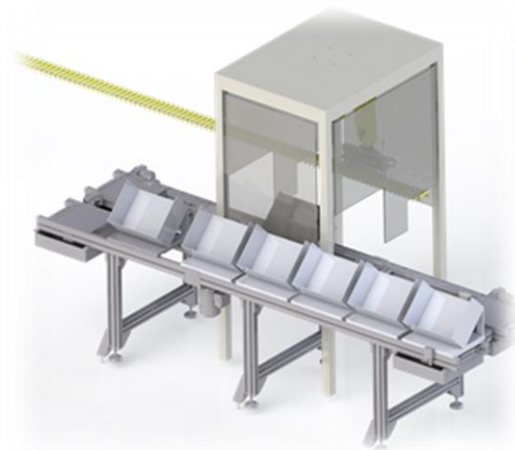
No additional pitch change required from the production line to the packaging

Vision system for package control



Flexible Gripper

A robot arm with a flexible gripper is used to move the products from the conveyor belt to the boxes. The gripper is flexible in such that the pitch between the fingers picking up the products can be adjusted according to the pitch of the conveyor and the size of the box or tray. This means that there is no need to have an extra pitch change step in between the conveyor and the robot, saving space. Furthermore, there is no need to change parts when changing production to a different product.



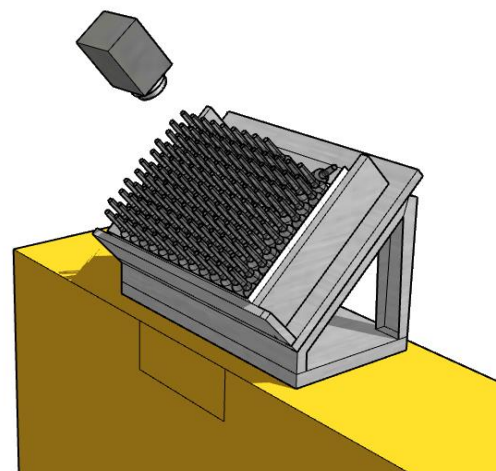
Extendable Autonomy

A conveyor system presents the boxes to the robot arm for packaging. Each carrier can be easily adapted to different size boxes. The standard conveyor can hold up to 6 carriers. Depending on the available space, the conveyor can be extended to hold more carriers for longer periods of autonomous operation.

The open and inherently safe design of the conveyor system provides operators with easy access to place new boxes and to unload full ones. Easily customize the tray carriers for different sized packaging and lock them into place.

Package Control

To ensure the packaging process is proceeding correctly, a camera control system is optionally available. The camera system tracks if the individual products are stacked correctly and stay in place. Should the camera detect that the packaging process of the current box is compromised then the system will stop packing the current box and start packing a new box. With the camera inspection system operators spend less time correcting incorrectly packed boxes and allows them to perform other tasks.



Please feel free to get in touch for more information

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