

GENTLE AND EFFICIENT HANDLING OF CREAM AND FLUIDS



In order to reduce the amount of resources used on uniform handling, a large Danish company asked Technicon to develop an effective automation solution that would not only free up valuable resources among employees but at the same time also streamline production without compromising on the need for gentle handling of various items.

Fully automatic cobot solution

Less waste of resources

“ Technicon has developed an effective automation solution based on two co-working UR5 cobots from Universal Robots with the gentle grippers 3FG15 and Gekko from OnRobot ”

Head of Industry Division, Henrik Holm Jensen, Technicon A/S

GENTLE AND EFFICIENT FILLING AND HANDLING OF CREAM AND FLUIDS



THE SOLUTION

The fully automatic and safe cobot solution can handle up to 200 items per hour, and it is part of a production environment with high standards when it comes to hygiene.

The one UR cobot efficiently transports the empty packaging to a filling station. When the packaging is full the other cobot closes it by attaching a lid. The cobot then takes the filled item to a barcode printer which ensures that each item is automatically barcoded at the bottom. Finally the cobot safely transports the filled item into boxes.

The gently OnRobot grippers ensure that the items are handled carefully and gently leaving no dirt or scratches on the bottles and cans when they are packed in boxes and stacked on pallets.

Streamlining Processes

“ We have mounted the two cobots on a compact square cell that only takes up 120 x 120 cm. The solution therefore takes up a limited floor area. ”

Head of Industry Division, Henrik Holm Jensen, Technicon A/S



BENEFITS

- The solution can not only handle various shapes. It can also be quickly adjusted to fill different items with cream and liquids: bottles, buckets and cans of varied sizes. The large handling variation is a major advantage in relation to the profitability of producing a larger range of cream in smaller batches
- The stable solution works fast while streamlining the proces and reducing the manual tasks that have been associated with filling and closing packaging