



# MouldXpress Robot

Fully automatic change-over system for blow moulds



# Fast and correct mould change-over



Classical handling parts change-over is quite time-consuming: Blow mould change-over often takes up to an hour and requires one and sometimes even two operators. The manual activity, however, increases the fault potential which, in the worst case, may affect the following production negatively. To accelerate change-over to another bottle type, Krones has developed the MouldXpress Robot, an automatic change-over system.

## At a glance

- Fully automatic change-over system for blow moulds
- Fault-free change-over process thanks to the use of a robot
- Very fast blow mould change-over at record speed
- Clear assignment of the correct blow moulds thanks to RFID tags



# Fully automatic



The MouldXpress Robot carries out a complete blow mould change-over without operator intervention.

## And that's how it works:

- Once the change-over process has been started, **the blow moulder** automatically places the next blowing station in position, opens the machine guards and releases the mould in the blowing station.
- **The robot** takes a complete blow mould package (both halves and the base mould) and positions it in an empty mould magazine. Afterwards, it picks up the new blow mould and inserts it in the blowing station. The blow moulder interlocks it afterwards.
- **The operator** only has to move the magazine with the moulds into the operating range of the robot prior to the change-over process and remove it again afterwards.



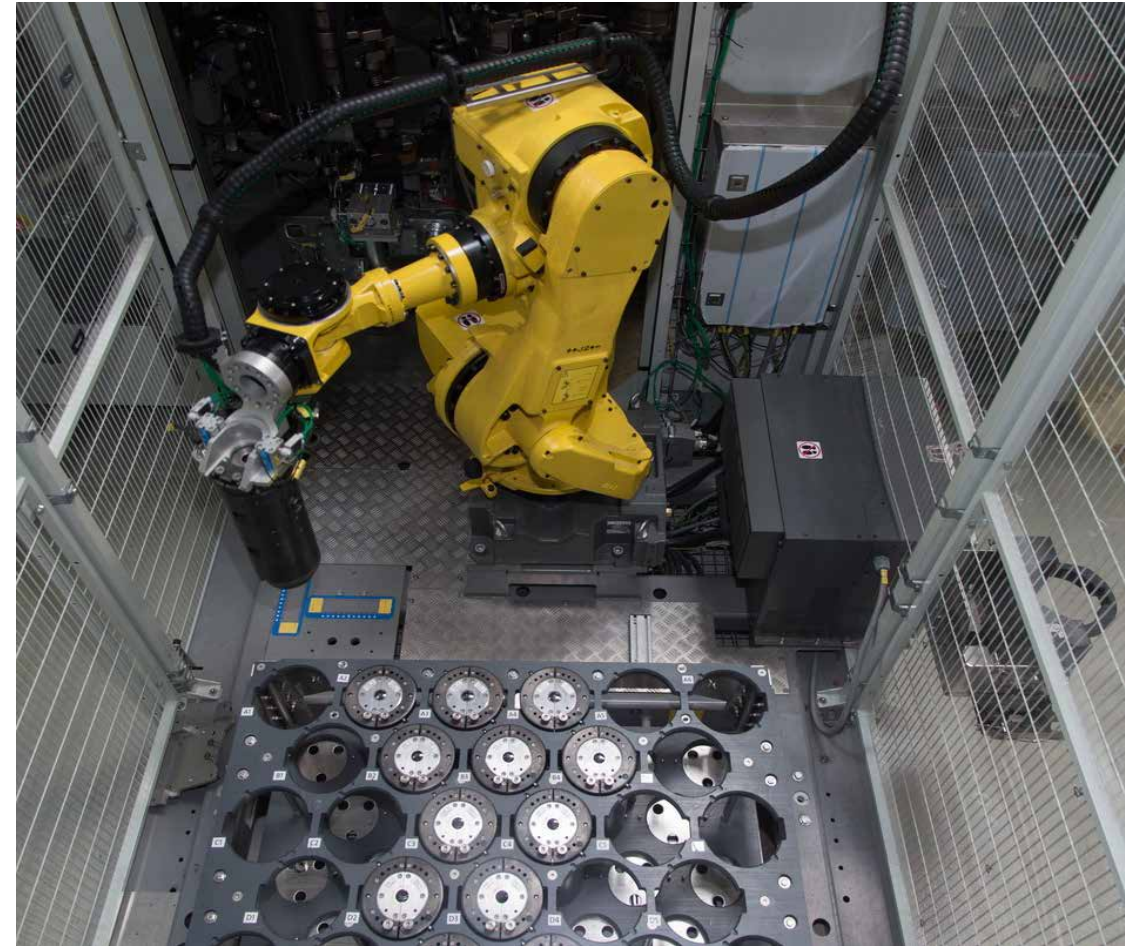
# Fast



The complete blow mould change-over takes only 15 minutes.\*

- **The automatic process** starts directly after the last bottle has left the Contiform.
- **The exactly programmed motion sequences** of the robot make sure that each second of the change-over process is exactly planned and that there are no downtimes.
- **The automatic sequence** allows for exactly adjusting the duration of the change-over process to the production planning.
- **The guard area** ensures quick, safe and unobstructed robot operation next to the blow moulder.

\* For a Contiform with 24 blowing stations



# Reliable



The use of a robot enables faultless and reproducible execution of the complete blow mould change-over.

- **The robot** is a well-experienced industrial robot which is ideally suited to meet the requirements of blow mould change-over.
- **The exactly programmed motion sequences** of the robot ensure that sequence-related faults are excluded 100 percent.
- **The RFID tags** of the blow moulds make sure that the robot clearly and reliably detects the required blow moulds.



# Benefits to you



## Fully automatic

The moulds are changed fully automatically and without manual interventions. The operator can use this time to already attend to other tasks.

## Fast

The process takes only a few minutes. A machine with 24 blow moulds, for instance, requires only 15 minutes for the complete change-over, which increases the OEE of the complete line.

## Reliable

Thanks to the use of RFID tags and well-proven robot technology, the moulds are changed over correctly and reproducibly.

## Flexible

The fast and reliable mode of operation of the MouldXpress Robot makes it possible for you to process more container designs than before.



## Requesting a new machine

You can easily send a request for a non-binding quotation in our [Krones.shop](#).



# Maximum efficiency with LineXpress



The LineXpress is the ideal tool to change over not only the blow moulder but the complete line at record speed as the system automates essential processes and thus perfectly orchestrates the change-over process as a whole.

LineXpress consists of individual parts: the UnitXpress modules. Combined with the machines, they control the processes and support the operator.

## Which machines can be included in the system?

- Contiflow mixer
- Contiform blow moulder
- Contiroll labeller
- Modulfill filler
- Checkmat inspection unit
- Variopac Pro packer for non-returnables
- Modulpal palletiser
- SynCo container conveyor
- MultiCo pack conveyor
- PalCo pallet conveyor



# Everything from a single source



## Training sessions at the Krones Academy – trained personnel for an increased efficiency of your line

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The multifaceted offer by the Krones Academy ranges from operation, servicing and maintenance courses through to management training. We will gladly also create your individual training programme.

## KIC Krones cleaning agents make your machine shine

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An immaculate production environment is essential if your product is to shine. KIC Krones provides you with the optimum cleaning agents and disinfectants for each individual production step.

## Krones Lifecycle Service – Partner for Performance

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It goes without saying that also after the purchase of new machines, Krones takes care of your lines: The Krones LCS experts are always there to help you reaching your goals and turn your wishes into optimal LCS solutions.

## KIC Krones lubricants for each production step

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Whether for gears, chains or central lubrication systems – our greases and oils are true all-round talents. They can reach every lubrication point, protect your line and ensure gentle treatment for your products thanks to their food-grade quality.



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BEYOND  
TOMORROW**

