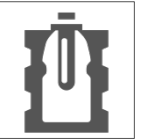




Contiform 3 Speed

High production output,
low energy consumption



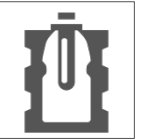
Getting more while consuming less

He who thinks high speed and saving energy doesn't go together, can now be convinced by Krones from the opposite. According to the motto "Getting more while consuming less" we have revised our existing blow moulder concept. The new Contiform 3 Speed supplements the product portfolio and truly lives up to its name.

At a glance

- Container and product range
 - cylindrical, square and rectangular up to a size of 2.0 litres
 - for non-carbonated water, CSD and sensitive products
- Output per hour
 - up to 2,750 containers per blowing station
 - total of up to 82,500 containers
- Machine sizes
 - minimum of 8 cavities
 - maximum of 36 cavities





The set-up

Depending on the requirement, the Contiform 3 Speed can be equipped with an additional module and be integrated in blocks:

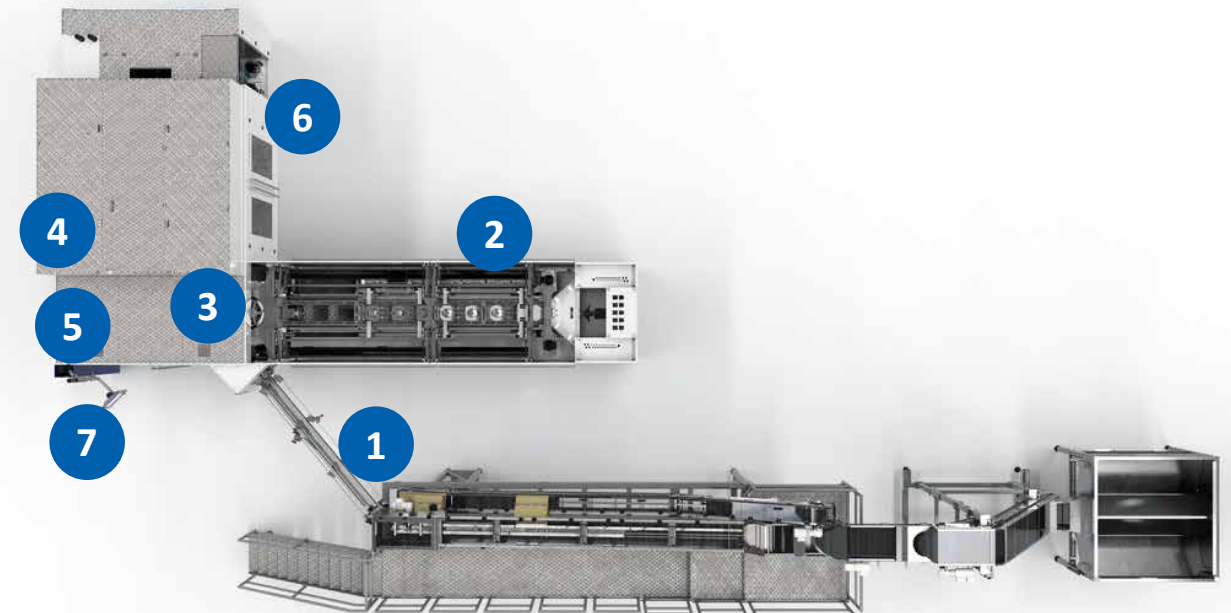
Module

- Contipure D:
Module for the disinfection of preforms with H₂O₂

Block variants

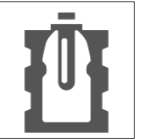
- Contiform Bloc:
Blow moulder with filler or labeller
- ErgoBloc L:
High-performance block consisting of blow moulder, labeller and filler

1. Preform feed system
2. Infrared linear oven with ceramic reflectors
3. Torsion-resistant platform
4. Monotec servo motors
5. Blowing wheel with electromagnetic stretching system
6. Machine guards in hygienic design
7. Touch-screen



The process steps in detail

Heating and conveying



Infrared linear oven

- Very small oven chain pitch
- Very small heating room with adjustable base reflectors which can be adjusted to the respective preform length
- Maintenance-free system of ceramic reflectors
- **Increased energy efficiency**



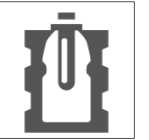
Transfer system

- Five-point heating mandrel in the linear oven
- Only four internal horizontal preform and container transfer points
- Actively controlled transfer grippers
- **More stability for containers and processes**



The process steps in detail

Blow moulding



Drive technology

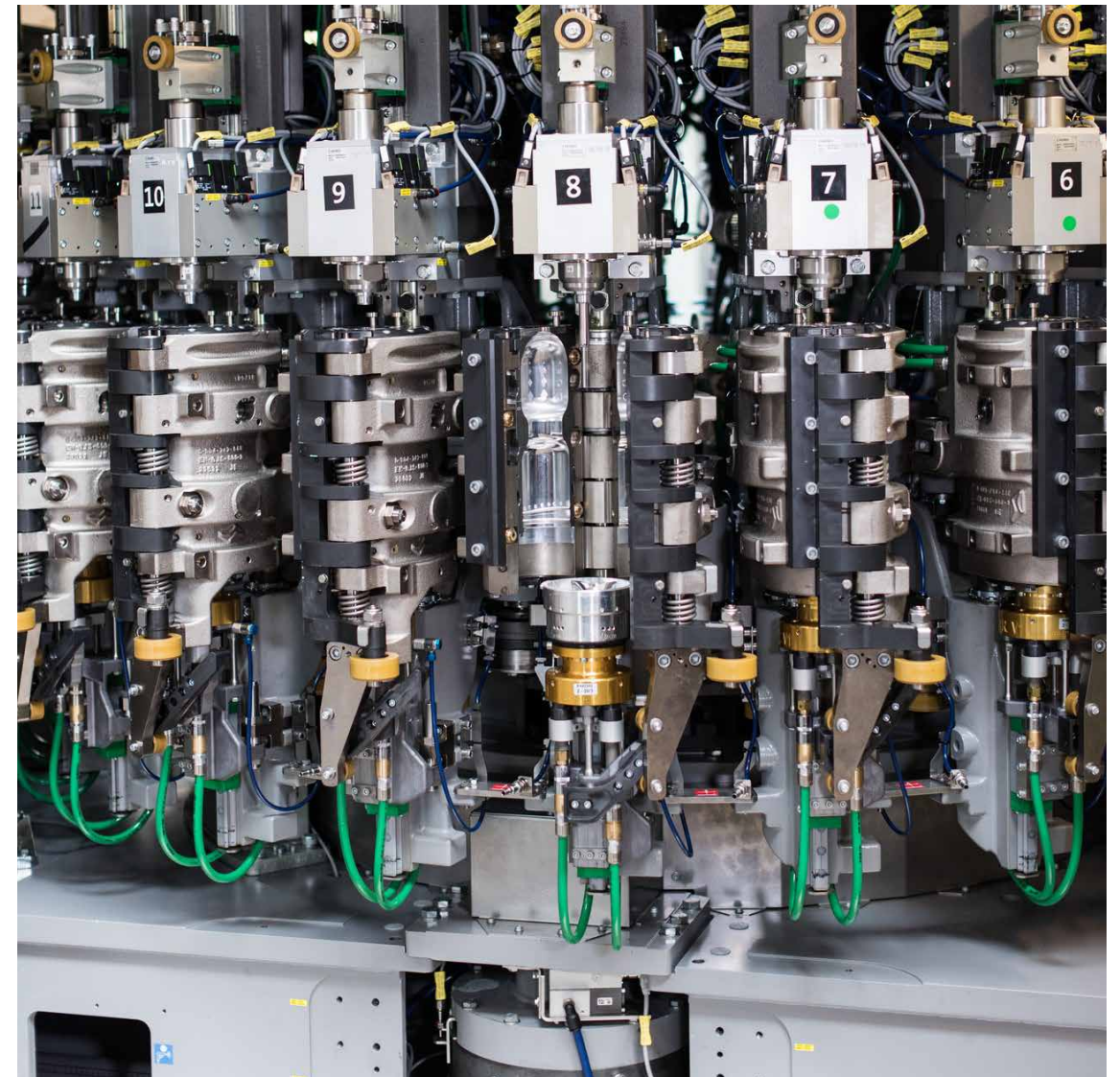
- Torsion-resistant platform construction
- Five high-precision Monotec servo motors with real-time synchronisation
- **For a trouble-free and energy-efficient production**

Blowing stations

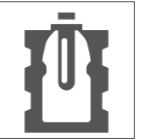
- Electromagnetic stretching system without air consumption
- Extremely reduced dead space volume thanks to improved mould hanger without pressure compensation chamber
- **For low consumption and high productivity**

Air Wizard Plus

- Enhanced air recycling system
- With intermediate pressure stage for internal recovery of the air
- Automatic self-optimisation of the air recycling process

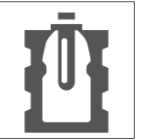


The process steps in detail Operation and change-over



- Quick-change systems for moulds, heating mandrels, transfer clamps and protective plates
- Quick and easy cleaning of machine guards
- Reduced number of manual lubrication points
- Intuitive operation via task-oriented HMI
- **Increased hygiene and less operator effort**





Benefits to you

Energy and media efficiency

Efficient use of energy and media was the top priority during the development of the Contiform 3 Speed. This way, e.g. intelligent monitoring systems make the consumption transparent and controllable. All in all, 15 percent* of the reduced energy and compressed air consumption results in savings of up to 20,000 euros per year.

Production quality

Thanks to its rugged design and automated processes, the Contiform 3 Speed works trouble-free also in a continuous operation mode. The individually adjusted heating and blowing processes ensure a consistently high container quality which can be reproduced at any time. The Contiform 3 Speed also operates reliably even with very unusual designs.

Hygienic design

The bright coating of the interior doesn't give dirt any chance to escape from cleaning. A design with very few edges and grooves as well as no lubrication points in all hygiene-relevant areas allows for a very clean production with the Contiform 3 Speed.

Ergonomic design and user-friendliness

The automatic calibration of the stretching distance prevents faults during retrofitting. The servo motor drives and the high-grade aluminium housing ensure a stress-free low-noise level even at highest output rates.

** In comparison to the Contiform 3 Pro blow moulder*

Certified ecological efficiency: machines with enviro label



At Krones, the blue enviro label stands for excellent ecological efficiency. Products that bear the enviro label have proven in an objective test procedure that they use energy and media efficiently, and that they produce in an environmentally-friendly way. The requirements are defined by the EME standard that has been developed by the TÜV SÜD (technical inspection authority) for assessing production plants. The enviro test procedure has also been certified by TÜV SÜD as an independent expert. Therefore, you can be sure that an enviro label stands for ecological efficiency.

This is why the Contiform 3 Speed is enviro-classified:

Energy efficiency

- Energy-optimised heating room with adjustable base reflector
- Frequency-controlled neck finish cooling in the heating module
- Air Wizard Pro for maximum blowing air recovery
- Less dead-space volume since the mould hanger no longer has a pressure compensation chamber

Environmental compatibility

- Minimised lubricant consumption due to the use of high-quality plastics rollers
- Propane gas cooler





Everything from a single source

Training sessions at the KRONES Academy – trained personnel increases your line efficiency

The multifaceted training offered by the KRONES Academy ranges from operation, maintenance and servicing to management training. We will also gladly like to establish your own individual training schedule.

KRONES Lifecycle Service – your partner for performance

Also after having purchased a new machine, KRONES will take care of your line; the LCS experts are always ready to consult you and translate your goals and wishes into optimal LCS solutions.

KIC KRONES cleaning agents make your machine shine

Only if the production environment is immaculate, can your product be brilliant. KIC KRONES provides you with the optimum cleaning agents and disinfectants for each individual production step.

Lubricants from KIC KRONES for every production step

Whether for gears, chains or central lubrication systems – our greases and oils are veritable all-rounders. You can reach every lubrication point, protect your line and ensure gentle treatment for your product thanks to our food-grade products.



Digitalisation



Process
technology



Bottling and
packaging equipment



Intralogistics



Lifecycle
Service

We do more.

 **KRONES**