



Contiform Heatset

The all-rounder in the latest generation of high-performance blow moulders





The new Contiform Heatset

The multi-talented moulder for different process types



Its variance remains the absolute benchmark. All process types in one line! It also outperforms everything that came before it in terms of energy consumption. The new generation of the Contiform Heatset is here! It uses the market-proven technology of its predecessor - but only as a basis. For be it flexibility, hygiene, user-friendliness or digitalisation: In the course of a complex development project, the blow moulder has been given a whole series of new features and optimisations.

At a glance

	 Multi-process (MP1 – MP4)	 Heatset
Container volumes	Container volumes of 0.1 to 3.5 litres*	Container volumes of 0.1 to 2.0 litres*
Product range	For hot-fillable, non-carbonated and carbonated products*	For hot-fillable products
Possible containers	For non-carbonated and carbonated beverages, as well as hot-filled bottles (with and without panels)	For hot-filled bottles with panels
Machine portfolio	4 to 28 blowing stations	4 to 28 blowing stations
Output per hour	Production of 4,000 to 70,000 containers per hour*	Production of 4,000 to 56,000 containers per hour*

* Dependent on the processing range and design of the machine

Design

The Contiform Heatset has a modular design and can be individually equipped to meet all requirements.

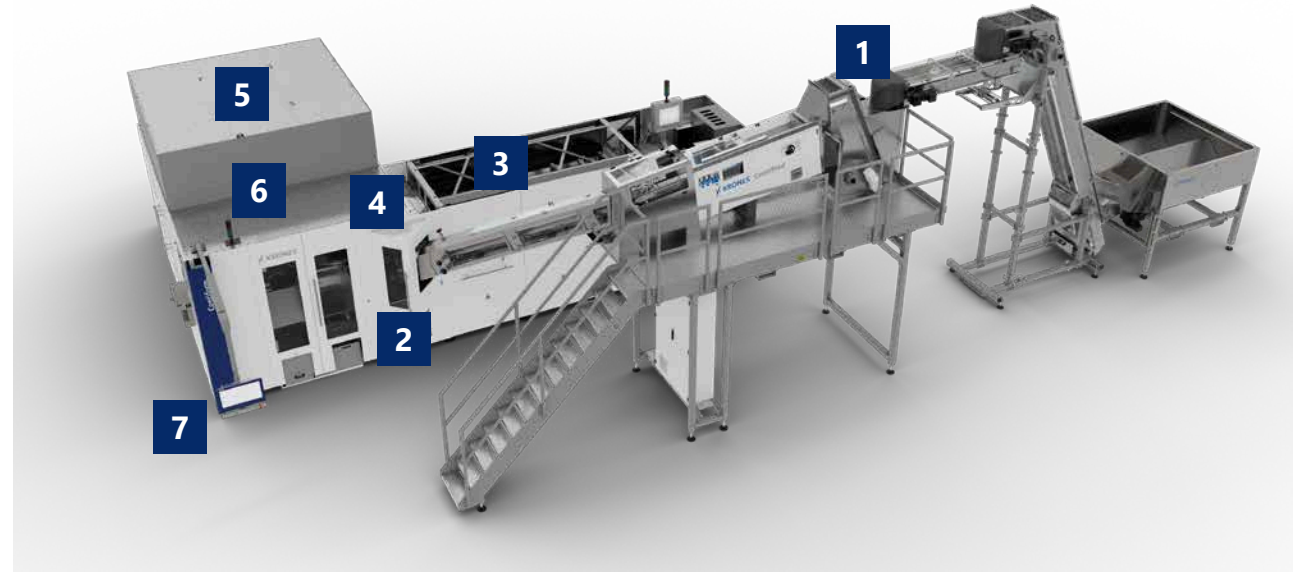
Basic machine

- Linear infrared heating module for processing preforms with a length of up to 160 mm and a support ledge diameter of up to 48,5 mm
- Blowing module with blowing stations for manufacturing containers of up to 3.5 litres

Optional modules

- Prejet preform interior cleaning system for pre-cleaning the incoming preforms
- PET-View inspection system for the integrated quality control of preforms and containers

* Options



- | | | | |
|----------|------------------------------------|----------|--------------------------------------|
| 1 | Preform feed system | 5 | Blowing module with blowing stations |
| 2 | Preform interior cleaning system* | 6 | Intelligent process control* |
| 3 | Infrared heating module | 7 | Touch-screen for machine operation |
| 4 | Preform/container inspection unit* | | |

The Contifeed preform feed system

Focussed on performance right from the beginning



At a glance

- Applicable with lightweight, standard and heavy preforms
- Three models – suitable for the respective blow moulder output
- Two variants of the feed rail:
 - Gravity system for all common preform types
 - Air-assisted – ideal for lightweight preforms and high-speed applications
- Optional:
 - Automatic adjustment for quick change-over
 - Hygienic design
 - Soft-tilting preform tipper for a particularly gentle preform infeed

Benefits to you

- Automatic troubleshooting
- Quick and infinitely variable adjustment to every preform type



Contifeed with automatic adjustment

Infrared heating technology

Efficient and flexible



Heating tunnel

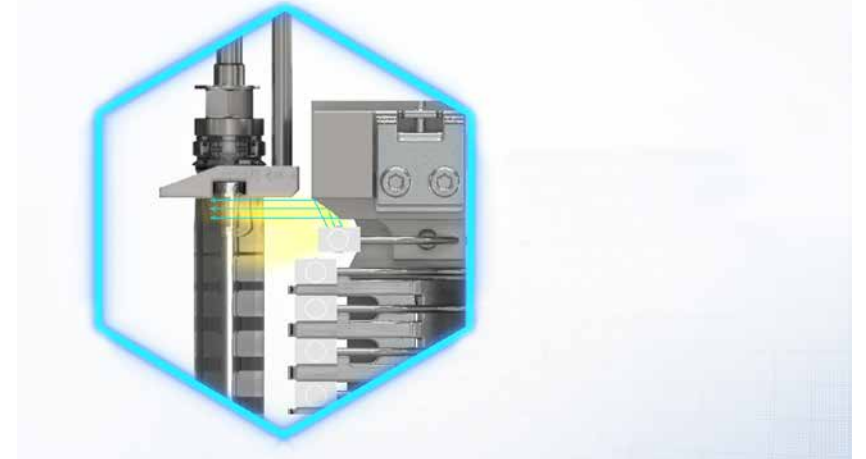
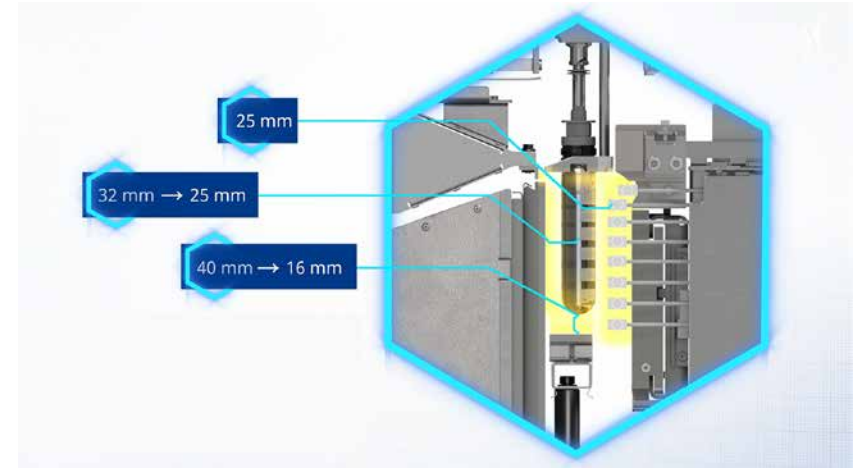
- Very small oven chain (36.4 mm or 50 mm)
- Additional reduction of the heating room
- Adjustable base reflectors: adjustable to the respective preform length
- Maintenance-free system of ceramic reflectors

Heaters

- Parabolic reflector for the top infrared emitter
- Longer infrared emitters and smaller dead spaces between the heaters

Benefits to you

- Up to 15 percent smaller footprint thanks to reduced deadspaces
- Improved lightweighting potential through targeted heating of the preforms directly below the support ledge
- Up to 5 percent lower heating energy consumption due to shorter distances and parabolic emitter technology



The Contiform blowing module

Robust and precise



Transfer system

- Five-point heating mandrel in the linear oven
- Only four internal horizontal preform and container transfer points
- Actively controlled transfer grippers

Platform and drive technology

- Torsion-resistant platform construction with skip-and-run technology
- Five high-precision Monotec servo motors with real-time synchronisation

Benefits to you

- Precise transfer of preforms and bottles
- Perfectly suited for very light preforms
- No PET dust deposit
- No change of handling parts if the neck finish remains the same
- Significantly reduced scrap rate thanks to skip-and-run technology
- Simultaneous change-over of heating module and blowing module possible



The blowing stations

Intelligent while saving on compressed air



Blowing stations

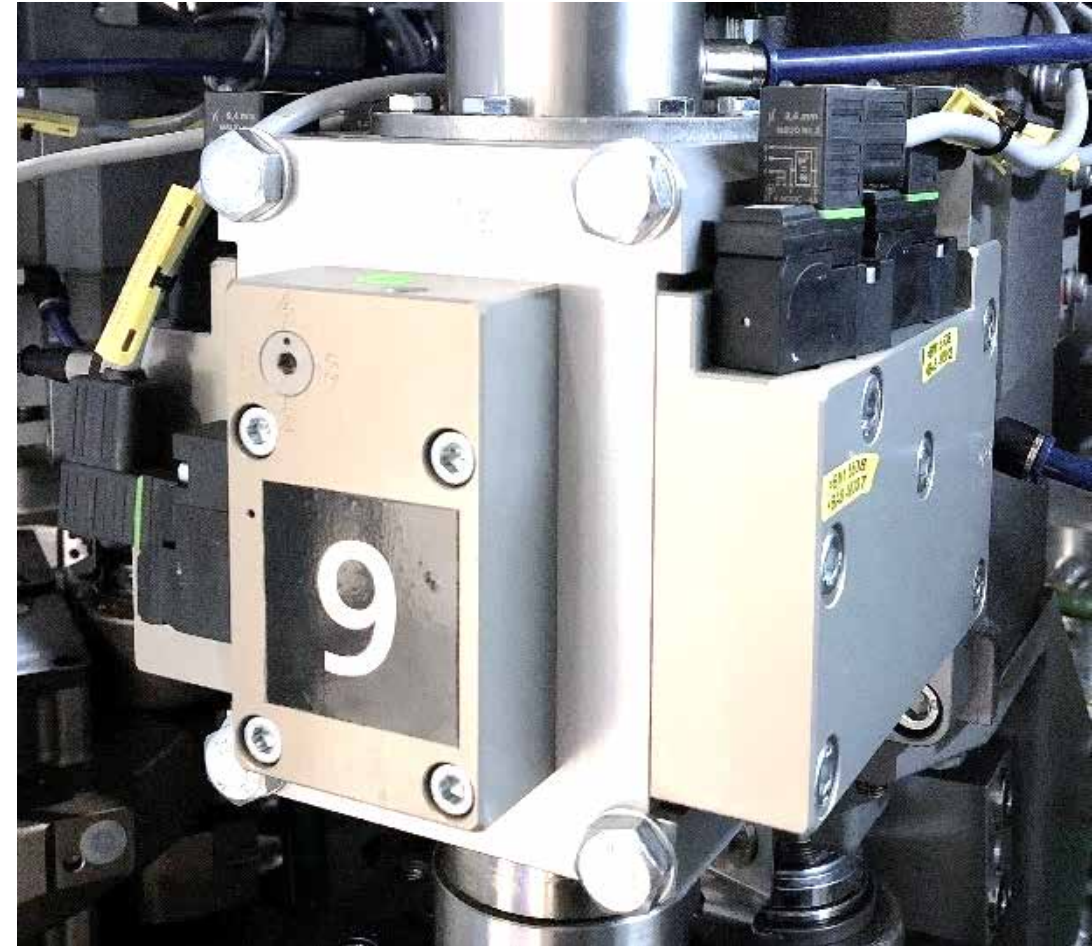
- Electromagnetic stretching system without air consumption
- Extremely low dead space volume in the entire blowing station

Compressed-air recycling

- Further developed, two-stage Air Wizard Plus compressed-air recycling system for the internal reuse of the compressed air

Benefits to you

- More flexible use of the process time through optimised compressed-air recovery
- Considerably lower valve switching time dispersion



Container design and moulds

Creative and in line with the market



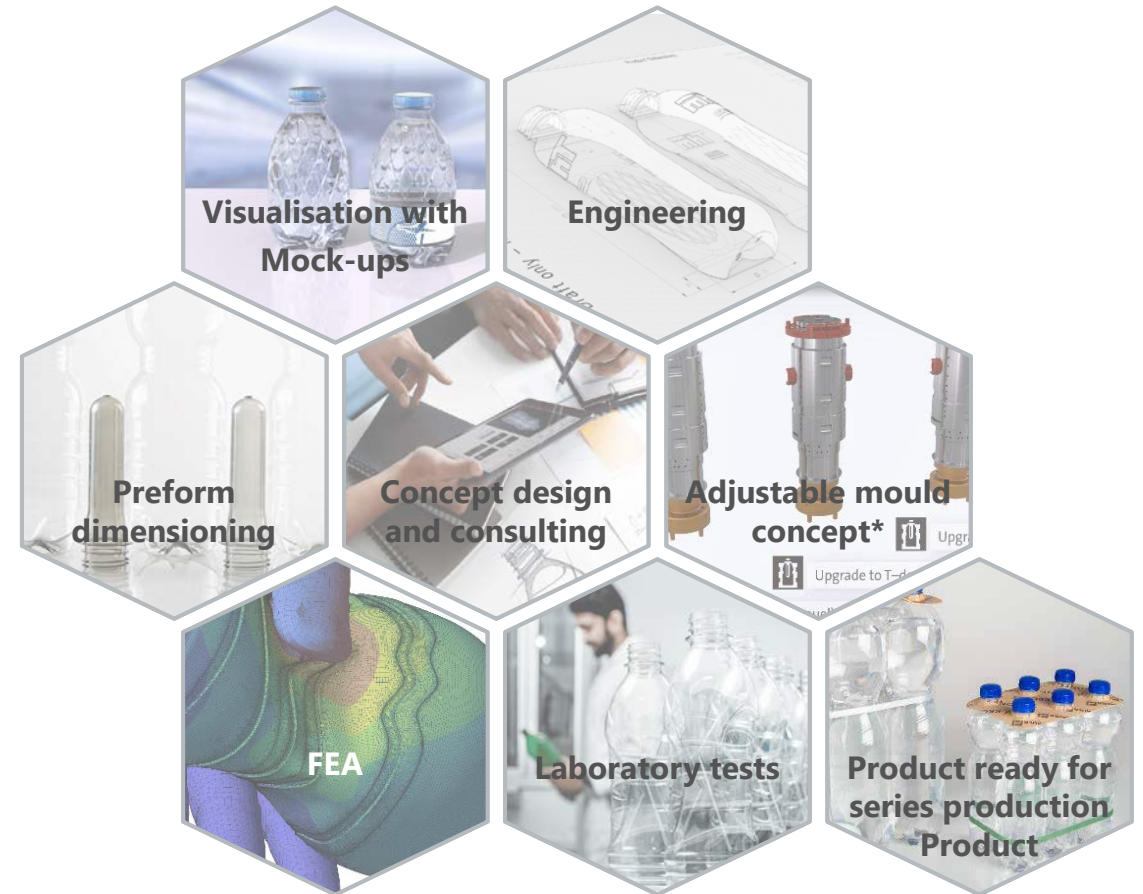
At a glance

- Four production centres worldwide with state-of-the-art manufacturing technology
- Container design experts at all four locations
- Design and production of mould types for all Contiform series
- Mould validation on our own technical centre systems

Benefits to you

- Customer-oriented consulting: Creative, functional, unique
- Individual designs with a view to customer requirements and feasibility in the beverage line
- Experience from more than 20,000 moulds per year

* (e.g. robot-compatible)



Optional: Prejet preform interior cleaning system

Dust and other particles do not stand a chance



At a glance

- Processes up to 100,000 preforms per hour
- Removes macroparticles from PET preforms using immersed lances and ionised air
- Suctions off the particles and filters them out
- Optional: Quick change of handling parts without tools

Benefits to you

- Compact integration in the infeed of the blow moulder: No additional footprint necessary
- Increased product safety thanks to a high and reproducible cleaning performance
- Fewer preform rejections thanks to reliable particle removal
- Efficient use of the compressed air required



Optional: PET-View preform and container inspection unit

Fully integrated quality control

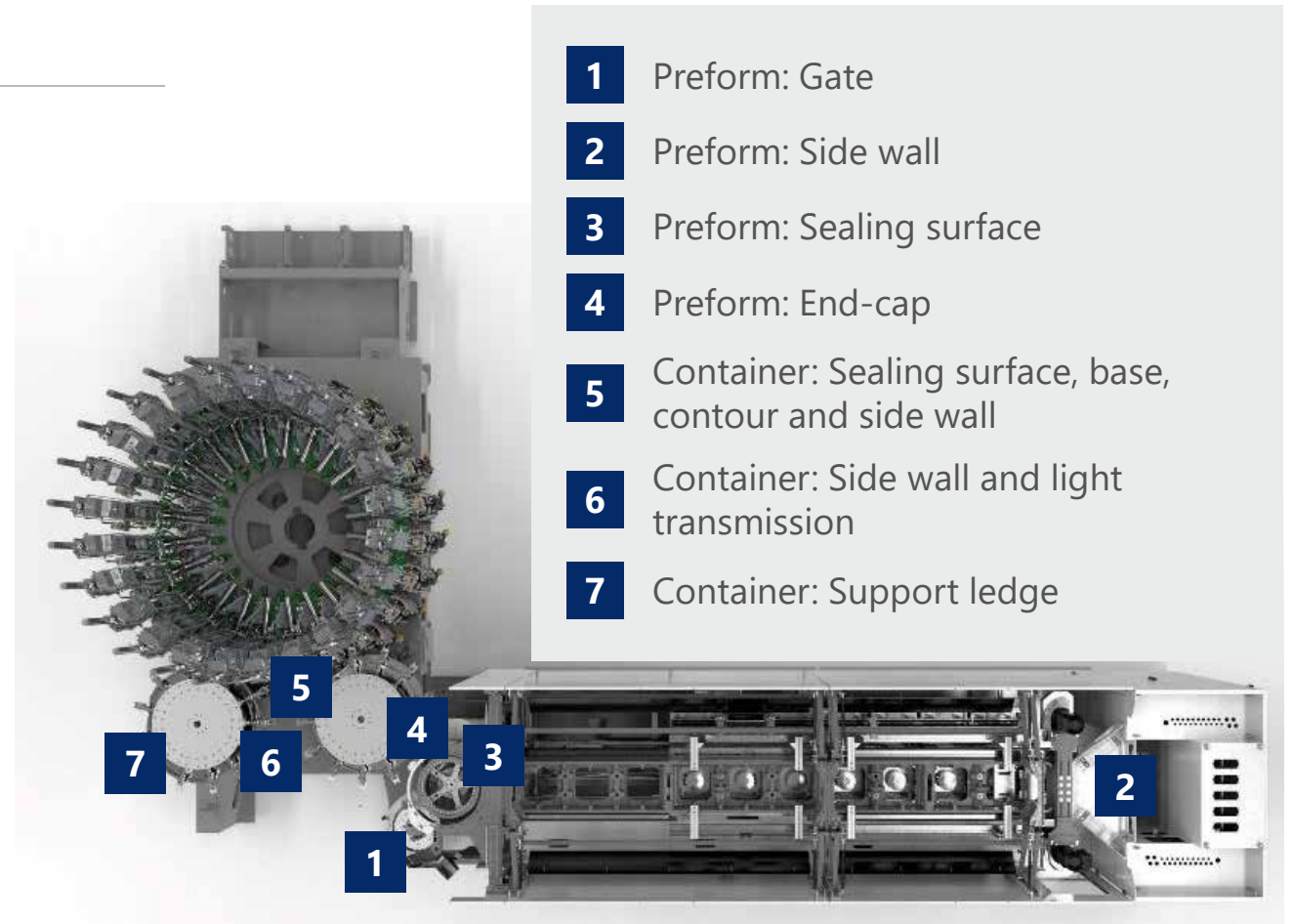


At a glance

- Preform inspection:
Only flawless preforms enter the blow-moulding process.
- Container inspection:
Only perfectly blown containers are passed on to the filler.
- Operation on the touch-screen of the blow moulder

Benefits to you

- 100 percent inline inspection during production
- Guaranteed first-class container quality thanks to reliable detection of faulty preforms/bottles
- Detection and rejection of contaminated preforms/bottles
- Suitable for both virgin material and up to 100 percent rPET



Better in combination: Contiform Heatset block solutions

A high output in a small space



Blow moulder and filler are an effective team. And that is the reason why we have perfected the popular combination of both machines even further in a single block. With a seamless drive concept, finely tuned transfer interfaces for every production program and precisely operating processes in stop situations, you can count on getting the very best out of your PET bottle line.

Contiform Bloc BF

- Blow moulder with filler
- Functions: Stretch blow moulding, filling and capping

Flexible block solutions

- More than 50 years of experience in block technology
- More than 2,000 Contiform block solutions sold worldwide
- More than 80 percent of all Contiform blow moulders are supplied in block configurations.



Benefits to you



Reduced heating energy consumption

Save even more: Further optimisation of the infrared heating technology reduces the energy consumption used for heating the preforms by up to an additional 5 percent.

Production efficiency

With its sturdy design and new functions, such as skip-and-run, the new Contiform Heatset continues to operate with the utmost reliability and with even less interference than before.

Maximised product range

No blow moulder produces a greater container variety than our Contiform H. From containers for non-carbonated and carbonated beverages through to hot-filled bottles: all of this is possible in one machine.

Ergonomic design and user-friendliness

The servo drives in conjunction with the improved rotary joint continue to keep the noise level stress-free, even at the highest output rates. The new operating interface with large touch-screen allows for even more efficient working with the machine.

Requesting a new machine

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



Everything from a single source



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

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

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.

Container design

Krones container design - creative, functional, unique with design and production of mould types for all Contiform series. Experience through approx. 20,000 moulds per year.

Krones Lifecycle Service – Partner for Performance

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

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

**SOLUTIONS
BEYOND
TOMORROW**

