



Contiform Bloc

Sustainable and efficient production of PET bottles

Bringing together what belongs together

Blow moulder and filler in 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.

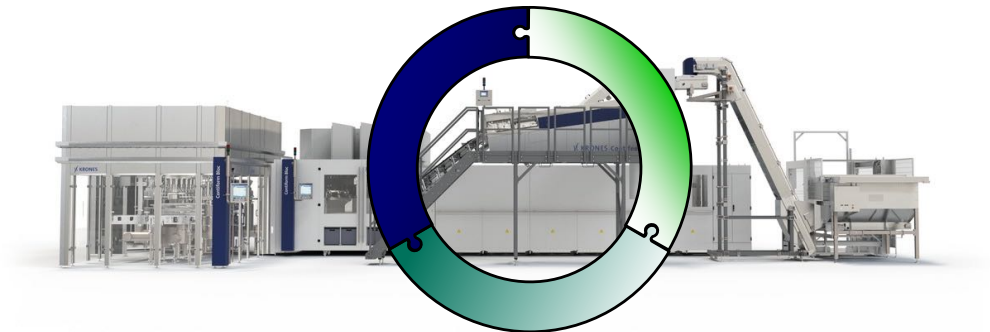
At a glance

- Processes 8,000 to 81,000 bottles per hour
- Produces non-returnable PET containers with a volume of up to 3.5 litres
- Fills water, soft drinks, food oil, beer, wine and ketchup
- Masters hot and cold filling processes
- Processes round, square and rectangular containers and lightweight bottles



Economic efficiency
Production with reduced use of resources

Sustainability
No rinsers, no air conveyor



Effectiveness
High OEE proven by more than 1,000 installed systems worldwide



The block components

- **Contiform 3 Pro stretch blow moulder**
 - Up to 2,500 containers per hour output per blowing station
 - Economical consumption of compressed air
 - Reduced energy consumption thanks to an efficient infrared heating oven
- **Modulfill filler**
 - Hygienic design
 - Filling valves and valve surroundings in a design which is gentle on the product
 - Lifting units for PET bottles in neck-handling mode without lift cylinder
 - Precision drive technology with systematic use of servo drives without mechanical drive components
- **Capper and cap feed units by KRONES**





The concept

- Block connection of blow moulder and filler using neck-handling starwheels with active clamps
 - Block concept without mechanical connection, transfer starwheels are driven by individual servo motors
 - No contact with the bottle's body in the transfer section
- Electronic engagement and disengagement of the machines via Servo Joint Control (SJC)
 - Automatic engagement and disengagement in the event of malfunctions
 - Machine operation as individual machines for retrofitting, maintenance and test operation
- High hygienic level
 - Lock concept depending on the block design and case of application
 - Minimised risk of recontamination as the air conveyor is no longer required



High quality of PET bottles

The Contiform Bloc meets highest demands on bottle quality for carbonated and non-carbonated beverages. Thanks to the neck-handling system and only a low number of transfer stations, the containers are handled with extreme care throughout their entire route through the line.

Processing of lightweight containers possible

Blowing and filling process optimally tuned with one another:

- High bottle base quality
- Perfect dimensional accuracy of the bottles
- Continuously high process stability





Your benefits as compared to a conventional line layout

Efficient production on minimum space

The Contiform Bloc requires up to 30 % less space than a blow moulder and filler installed in a conventional single machine arrangement. The compact line layout ensures also less potential malfunction sources within the line.

Sustainable block concept

The direct combination of individual machines into a block pays off twice: An air conveyor system for the blow-moulded containers, a bottle rinser or conveyor sections are no longer required, which, in turn, results in a reduced consumption of water, compressed air and energy in the complete line.

High hygienic standard

Having only a few interfaces and conveyor sections are key factors in achieving a high degree of cleanliness for the bottle material. The direct transfer of the bottles from the stretch blow moulder to the filler and capper prevents dirt being brought in.

Low operator requirement

The Contiform Bloc offers a good overview, short paths and a standardised operating concept. It also requires little change-over work and has an optimised maintenance program thanks to the use of servo technology.

Efficient and flexible line concept

With the Contiform Bloc, you are optimally prepared for bottle or product change-overs. It allows both, line change-over and restart in a quick and reproducible way.

Everything from a single source



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

The versatile training offer ranges from operation, servicing and maintenance to management training. We will gladly also establish your individual training programme.

KIC KRONES adhesives – the all-rounder for a strong grip

Regardless if PET or glass, plastic or paper, labels or packagings – at KIC KRONES, you will find your ideal adhesives for a high-quality product presentation.

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 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.

KRONES Lifecycle Service – 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.

EVOGUARD – excellent valve technology all along the line

The valve series of EVOGUARD comprises a modular system with hygienic and aseptic components which contributes to every point of the production line with increased performance and which has the perfect solution for every process step.



Digitalisation



Process
technology



Bottling and
packaging equipment



Intralogistics



Lifecycle
Service

We do more.

 **KRONES**