



Requirements and solutions

The beverage industry is always on the lookout for modern, efficient systems for the manufacture and filling of PET bottles. When making an investment, the overall operating costs are a major criterion. Here, KHS has the answer in its InnoPET BloFill; this machine stretch blow molds, fills and caps containers with a very low consumption of energy and media. It's also extremely flexible, has short format changeover times and can fill a maximum of 81,000 bottles per hour. Beverages such as carbonated soft drinks, still water and juices can be filled into PET bottles. This intelligent combination of systems in the InnoPET BloFill stretch blow molder/filler/capper monoblock, which have been tried and tested over many years, gives the customer an extremely high level of automation and optimum reproducibility of the individual processes.

Key features

- Tried-and-tested stretch blow molding technology for the high-precision manufacture of lightweight PET bottles of various shape and size
- High availability at low operating costs
- NIR heating with a low energy consumption and optimum PET penetration
- Great flexibility when processing different sizes of container
- Short changeover times through CLever-Loc and quick-change bottle guide parts
- Gentle preform and bottle handling
- Volumetric filling system; IFM determines fill levels
- Low-foam filling at filling temperatures of up to 20°C (CSDs)

Standard equipment

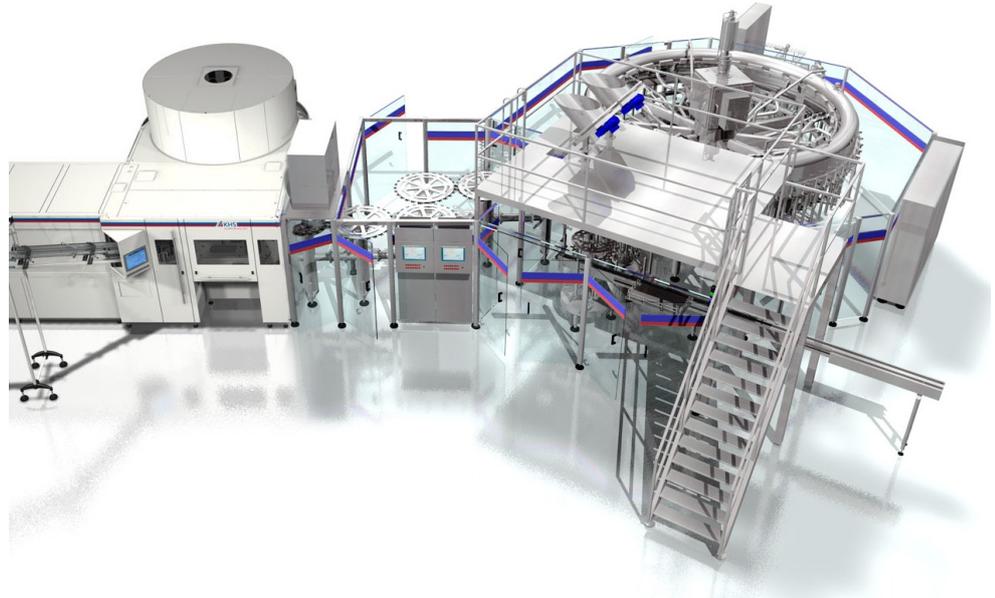
- InnoPET Blomax Series IV
- Efficient NIR heater with short restart times
- Self-adjusting, servocontrolled stretch bars
- Airlock in the transfer area to the filler
- Filler for carbonated and/or non-carbonated beverages
- Capper without a front table
- Oriented cap infeed with buffer
- Quick-change format parts
- Free-standing cladding





Benefits

- Energy-optimized preform heating
- Stretching speed independent of the machine speed
- Separation of the wet and dry areas
- Safety lock for simultaneous setup mode on both single machines
- Bottle base cooling with a very low water consumption
- Perfectly coordinated performance range for various container sizes
- Trouble-free handling of lightweight bottles
- High efficiency through a high level of automation, also with peripheral equipment



Service

- Worldwide service
- Customized machine layout
- Complete line design
- Manufacture of turnkey systems
- Fast supply of spare parts

Options

- Preforms and closures:
 - Preform infeed covers
 - Blowout with ionized air
 - UV treatment
 - Quality control using camera systems
- Blow molding area with dry air
- Air lock with dry air
- Bottle base cooling
- Hot filling

Technical data

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|--|---------------------------|
| Bottle content: | 0.2 - 3.0 l |
| Filling temperature: | 4 - 20°C |
| Bottle height: | 120 - 360 mm |
| Bottle diameter: | 40 - 125 mm |
| Fill level accuracy: | s= 1.0 - 3.0 ml |
| Capacity [bph]* still beverages: | up to 81,000 bph |
| Capacity [bph]* carbonated beverages: | up to 72,000 bph |
| Blow molder: | 8 - 36 cavities |
| Filler for still beverages: | 40 - 144 filling stations |
| Filler for carbonated beverages: | 48 - 192 filling stations |