



XBLOW 100

New range of Large Blow Moulding Machines



Flexible and modular industrial blow moulding system

Unique hybrid electric clamping concept with 1,000 kN

High accessibility and flexible production solutions for large canisters, drums and IBCs

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The new XBLOW 100 is a flexible high-performance blow moulding line for drums, L-ring drums and other large-volume containers up to 250 litres. In the Turn Key, Bekum offers everything from the mould, post-cooling and post-processing stations as well as quality assurance from a single source.



Exclusive Clamping Unit

- Unique hybrid electric clamping concept up to 3,000 kN
- Fast, energy-saving and with unique mould thickness variance (patent pending)
- Clamping force is adjustable on the HMI
- Minimized energy demand (high efficiency)
- Easy mould change with quick-change platens
- Rapid stroke movement electrically and hydraulically possible

Bekum Extrusion Heads

- Spiral mandrel extrusion heads in single-layer or multi-layer technology
- High melt and temperature homogeneity
- Reproducible production results
- Short material and colour change times
- Uniform wall thickness 360° around the article
- Regrind (PCR) and fillers (chalk) can be superbly processed

HiPEX 36D - More Powerful Extruder

- Completely new generation of extruders HiPEX 36D
- Very high process stability, high maximum throughput and very good melt homogeneity
- Significant energy savings of 20 %
- Energy efficiency through directly driven gearboxes and new high efficiency IE5 extruder motors
- Good color mixing in the melt, as well as low melt temperatures
- Amortisation in < 1 year

Bekum Control 8.0

- New machine control eases operation of the machine
- Intuitive user interface, fast fault detection
- Industry 4.0 ready, intelligent data analysis
- Clear and up-to-date information overview in an individually configurable dashboard
- Visualisation of throughput values and energy consumption
- Generously dimensioned in portrait format 24" full HD touch screen control unit
- Hand operating device for quick setup

Series-features

- Hydraulic mould functions and accumulator heads driven by variable-speed hydraulic power unit
- Optimum parison lengths can be set for different mold sizes with vertical parison transfer
- Complete production solutions including moulds, robots, post-processing or post-cooling stations and material handling from a single source, i.e. for 220L ring drums

New Machine Design

- Brand-new industrial design combined with functional ergonomics
- Machine concept is scalable, modular and flexible
- Good accessibility for process adjustment and maintenance
- Equipped with LED signal lamp indicating operating status
- Compact design with particularly small space requirement

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