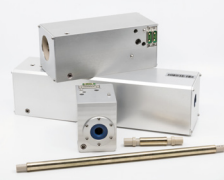




BALLOONFORMING MACHINE 2231

The **2231 Balloon Forming Machine** is designed to produce a variety of plastic balloons. The electrical heated stretch blow molding process allows the production of different high-quality balloons for angioplasty and other medical applications. The machine is equipped with fast servo motors. Balloon mold diameters up to 40 mm and balloon length up to 350 mm are possible.

The user-friendly machine is equipped with a PLC controller, PC with touchscreen and the BW-TEC HMI. A connection to an external database can also be provided. All process parameters for specific products can be stored in separate recipes.



Heating Blocks



Pneumatic Gripper



Core Unit Forming Process

Technical Specifications

- up to 150 balloons per shift
- balloon mold diameter: \varnothing 1.5–40 mm
- balloon mold length: 6–350 mm
- servo motors
- linear stretching way: left 400 mm, right 750 mm (minus heating block)
- process temperatures: 20–250 °C (68–482 °F) cooling with external system
- process time: 2–5 min
- pneumatic grippers are used for holding the product
- process pressure: 0–50 bar (0–725 psi)
- low pressure system 6–8 bar (87–116 psi) for product fixation
- simple user interface with BW-TEC HMI on touchscreen
- PLC controller and PC for HMI and data management, network compatible
- dimensions (L x W x H): 1865 x 750 x 1400 mm
- weight: 240 kg
- power: 110 or 230 VAC / 2000 W