



## PARISON FORMER 1538

The **Parison Former** is designed to neck down balloon tubes.

This process step comes prior to the balloon forming process. The target is to reduce the tube diameter beforehand in order to eliminate the calibration process after balloon forming. The tube is heated partially by a specifically designed air nozzle and the diameter is reduced by axial moving of two linear slides with different speed and travel.

The final diameter of the tube can be changed by adjusting either temperature, speed, travel or relative motion of the two axis. The parameters of every product can be stored as recipe in order to achieve reproducibility. The Machine can be mounted on top of the Balloonmachine 503 and is ideal for R&D settings.



Heating Nozzle



Pneumatic Gripper



Interfaces

### Technical Specifications

- Up to 150 tubes per shift
- Process time 1–3 min
- 1-up Machine
- Tube diameter 0.4–5 mm
- Pneumatically actuated clamps
- 2 Linear slide with ball screw spindle and 3Phase stepper motors 1.5 Nm
- Axial force 500 N
- Travel distance per axis max. 450 mm
- Travel speed 1–150 mm/s
- Process temperatures: 20–250°C
- Simple user interface with BW-TEC HMI on touchscreen
- PLC Controller and Tablet-PC for HMI and Data management
- Network compatible
- Dimensions LxWxH 1400 x 360 x 360 mm
- Weight 65 kg
- Power 115/230 VAC
- Air Pressure 6–10 bar (87–145 psi)

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