

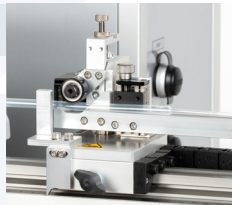


NECKING MACHINE 1600

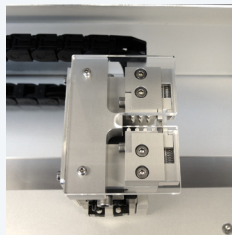
The **Necking Machine** is designed to neck down balloon tubes.

The tube is pulled through a heated die and reduced to a defined diameter. The die is split into two parts to enable easy loading. The final diameter of the tube can be changed by adjusting the following parameters: die diameter, temperature, speed and sensor position.

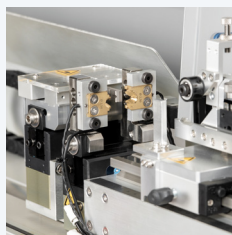
The parameters of every product can be stored as recipe in order to achieve reproducibility. The machine provides fast process time and precisely repeatable lengths, even with larger tube dimensions which are difficult to process on hot air neck down systems.



Sensor to detect Parison



Pneumatic Gripper



Split Die in Action

Technical Specifications

- cycle time: 10–30 sec per product side
- tube diameter: 0.7–9 mm
- neck down diameter: 0.6–4 mm
- pneumatically actuated clamps
- 1 linear guide with ball screw spindle and 3Phase stepper motor 1.5 Nm
- max. linear movement: 440 mm
- linear travel speed: 1–100 mm/s
- process temperature: 20–200 °C
- 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): 980 x 670 x 655 mm
- weight: 60 kg
- power: 115/230 VAC
- air pressure: 6–8 bar (87–116 psi)