



2920 1UP NECKING MACHINE, SPLIT DIE

The **2920 Necking Machine** is designed to neck down balloon tubes. This process step comes prior to the balloon forming process. The machine convinces with the capability of necking down small and large tubing.

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 machine provides fast process time, defined necks and precisely repeatable lengths. The parison length is part of the process parameters, which leads to more process reliability. The parameters of every product can be stored as recipe.



Split Die Open



Split Die Closed



Sensor to detect Parison



Unique Pneumatical Gripper

Technical Specifications

cycle time: ca. 10–30 sec per product side
tube diameter: 0.7–10mm
neck down diameter: 0.6– 7.5mm
1 linear guide and servo drive 3Nm → max. pull force 700N
max. linear movement: 455mm
linear travel speed: 1–500mm/s
parison/slug length parameterized via servo drive
process temperature: 20–200°C (68-392°F)
user interface with BW-TEC HMI on touchscreen
PLC Controller and PC for HMI and Data management
network compatible
air pressure: 6–8 bar (87–116 psi)
power: 115/230 VAC 450W
dimensions (L x W x H): 1100 x 700 x 560mm
weight: 90kg