



2711 AUTONECKER

The **2711 Automated Necking Machine** utilizes the BW-TEC split-die concept to neck down polymer tubes. The tubes are automatically separated out of the tray and fed to the necking process. In this step, the tube is pulled through a heated die and automatically reduced to the same diameter on both sides.

The dimensioning of the die, its temperature and the pulling speed define the process. The necked tube is placed into a tray and can be taken out from it during operation.

A simple process transfer from the manually operated BW-TEC split-die machine to the 2711 Automated Necking Machine is possible.

The Automated Machine convinces through precise reproducibility of the parison lengths, fast processing times and high process reliability. The automatic process flow and the increased quality and quantity free up valuable resources.



Tube Separator



Dual Necking Die



Ejection Unit

Technical Specifications

Raw Tube

Diameter: 0.7 - 7mm

Length: ~220 - 550mm

Tray Volume: \varnothing 2 mm: ~3000 pcs

\varnothing 4 mm: ~800 pcs

\varnothing 6 mm: ~350 pcs

Volume Output Drawer: > 100 pcs (depending on size)

Process Parameters

Die Diameter: 0.4 - 5.2mm

Cycle time: typically 30 - 70s (depending on process and tube)

process temperature: 20–200°C (68–392°F)

air pressure: 6–8 bar (87–116 psi)

linear guides and servo drive 3Nm → max. pull force 1500N

max. linear movement: 455mm

linear travel speed: 1–500mm/s

Sensor measurement for reproducible parison length

Handling

user-friendly interface

BW-TEC HMI on touchscreen

PLC controller and PC for HMI and data management, network compatible

General

dimensions (L x B x H): 1770 x 720 x 1550mm

weight: 234kg

power: 3 x 230 VAC / 16A / 50-60Hz (2000W)