



## **I 00 series**

*in-line machines for filling  
and closing pre-formed containers*

**Trepko**

## **100 Series – the reliable choice**

Trepko's 100 series provides tailor-made and reliable solutions for the filling and closing of pre-formed containers. The rigid and proven mechanical design of the machinery within this series enables speeds of 50 strokes per minute. The machines are built in a format of up to 12 lanes and are offered with double indexing systems which allows for either a fast format size change or a doubling of the machines output. This series can therefore cover a wide output range from 3,000 up to 70,000 cups/hour.

An in-line and highly developed modular principle allows a competitive, detailed and thorough response to the exact request of the customer. The series caters for the most extreme needs, whether these be demanding hygiene requirements, capacity requirements or the complex requirements of the product itself.

The machines can be designed to three differing grades of hygiene. The standard version offers excellent hygiene levels with the machine frame and covers manufactured in stainless steel and all piping and dosing system components in acid proof stainless steel. Furthermore the series is upgradeable to two higher levels of hygiene: Ultra Clean and Aseptic.

As standard, and as with the entire range of Trepko machines, the 100 series is CE-marked and as a result built in accordance with all applicable European safety standards. All machines are equipped with a 14" touch screen panel from where all functions and settings of the machine can be managed. Using highly developed control software this control system offers a first-class user friendly HMI system, and allows all settings to be adjusted from the panel as a integrated part of the individually stored product and packaging recipes.

As a benchmark this series is equipped with a servo drive for the dosing system, and with a mechanical main drive for all vertical movements. The servo driven dosing system enables automatic adjustment of all dosing profiles thus ensuring that the machine automatically optimises for each individual product, enabling drip and splash free filling of all product viscosities at an optimised speed.

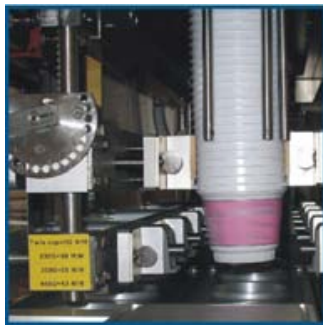
Thorough consideration has gone into ensuring that the machines achieve a high degree of flexibility for changing between different cup shapes. In the standard version, the change between different cup heights is achieved in five minutes, while the change between different upper cup dimensions is achieved in thirty minutes. These extremely low change-over times are achievable as the changeover can be performed entirely without the use of any tools. For productions with frequent changeovers, the Ultra Flex system is offered, allowing a complete changeover in eight minutes simply by the push of a button.



ergonomic cup stack feeding magazine



cup dispenser



chemical sterilisation of cups



pre-dosing



**FILLED WITH PRIDE, S**



cassettes' tower

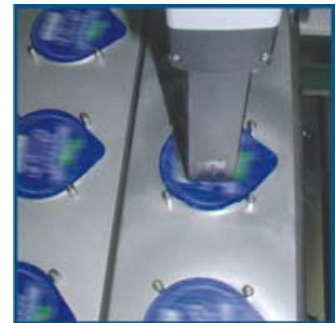


pick & place



printing head  
on a transfer sledge

cover  
lid application



main dosing

foil sledge

UV radiation of foils

DUO CYL  
heat-sealing



**EALED WITH QUALITY**

	Standard	Ultra Flex	UltraClean	Aseptic
<b>HYGIENE FEATURES</b>				
Stainless steel frame and covers	S	S	S	S
Acid proof stainless steel dosing system and piping	S	S	S	S
Laminar flow cabin	O	O	N/A	N/A
Pressurised flow cabin with SIP of filters	O	O	S	S
Sterile overpressure in hopper	O	O	S	S
Aseptic Valves	O	O	O	S
CIP/SIP of product piping and doser	O	O	S	S
CIP/SIP of cabin	O	O	S	S
UV radiation of cups	O	O	O	S
UV radiation of lids for sealing	O	O	S	S
UV radiation of cassettes	O	O	O	S
Chemical sterilisation of cups	O	O	S	S
Chemical sterilisation of lids for sealing	O	O	O	S
Chemical sterilisation of cassettes	O	O	O	S
Gas Flush and or Vacuum heat Sealing	O	O	O	O
<b>EFFICIENCY FEATURES</b>				
Cup/lid stack feeding magazines (standard)	O	O	O	O
Cup/lid stack feeding magazines (ergonomic)	O	O	O	O
Foil sledge	O	O	O	O
Automatic Volume adjustment	S	S	S	S
Automatic Weight adjustment	O	O	O	O
Automatic adjustment for cup height	O	S	O	O
Automatic adjustment for upper cup dimensions	O	S	O	O
Automatic cassette tower	O	S	O	O
Servo dosing system	S	S	S	S
<b>CLOSING FEATURES</b>				
Heat-sealed die-cut foil/alu (DUO CYL)	O	O	O	O
Sealing and cutting of foil from reel	O	O	O	O
Cover lid application	O	O	O	O
<b>DOSING &amp; PRODUCT IN-FEED FEATURES</b>				
Pre or post dosing	O	O	O	O
Dry filling	O	O	O	O
Hot fill	S	S	S	S
Compensator with rework or PID	O	O	O	O
Scroll chute	O	O	O	O
Horizontal or vertical hoppers	O	O	O	O
Horizontal or vertical agitators	O	O	O	O
<b>OTHER FEATURES</b>				
Date marking systems	O	O	O	O
Telephone modem	O	O	O	O
Touch screen panel for HMI	S	S	S	S
Central Lubrication	S	S	S	S
Pick & place	O	O	O	O
Tray erector (700 Series)	O	O	O	O
Shrink tunnel (700 Series)	O	O	O	O

S – standard, O – optional, N – not applicable

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**Worldwide supplier of**  **filling/packaging machines**