

HYDEN

UST-100 CUP STACKING SYSTEM For Disposable Plastics Containers

FOR PP AND HIPS CUPS

OPTION TO CHANGE-OVER FOR DIFFERENT CUP SIZES

TESLA SERIES UST100 CONTROL SYSTEM



DESIGNED FOR ONLINE OPERATION WITH THE THERMOFORMING MACHINE

Stacking Solutions for the Thermoforming Industry

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UST-100 CUP STACKING SYSTEM

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The UST-100 Cup Stacking System has been designed to work online with Thermoforming machines that do not offer automatic container stacking. In operating environments where formed cups are ejected on to the shop floor for manual stacking, the UST-100 is a perfect solution that offers automation, neat and hygienic stacking and also eliminates the dependency on the work force responsible for manual stacking. Factory layouts also become more organised and neater.

In its Standard version the UST-100 has a conveyor with 30 palettes that are indexed by a Servo motor. Containers that are ejected from the Thermoforming machine fall directly into the UST-100 and are taken up for automatic stacking. The cups fit into cavities in the Palettes and are conveyed to the stacking station where vertical pushers push the cups through the Palettes into vertical stacks. The Servo mechanism ensures precise and repetitive positioning at the stacking station. A single person is sufficient to operate the machine. An optional Drop Conveyor assists in taking up containers from the Thermoforming machine and also provides additional cooling for the formed containers for better stacking output. This is also particularly essential when the machine is required to handle Polypropylene (PP) cups.

The UST-100 is also available in an Extended version where the Palette conveyor has 50 Palettes for a higher productivity. The Extended version is necessary for higher productivity in stacking PP containers. The Stacking System can be quickly changed for different cup sizes and typically the change-over time is less than 30 minutes. The UST-100 is designed to work 24 hours continually without break except during a job change on the machine. This enables continuous production and leads to higher productivity.

Our Engineers will be happy to analyse your cup samples and provide an estimate of the expected stacking rate for different sizes and materials.



HYDEN Automation Division

A simple and easy to operate control system manages the UST-100. The control system components are outsourced from world-class manufacturers for a reliable performance and maintenance.

The Tesla Series UST100 ServoCAT Automation manufactured by Tesla Controls is user-friendly and is operated via a Touch-screen HMI that also offer basic diagnostics. The comprehensive service manual that accompanies the system makes it easy to diagnose and solve faults. Additional support is available from Tesla Service Engineers who will take the necessary steps to offer a speedy solution to any system malfunction.

TECH SPECIFICATIONS UST-100

MIN/MAX CUP HEIGHT	-	35/125 mm
MIN/MAX RIM DIAMETER	-	60/125 mm
POWER UTILITY	-	3.5 Kw 415V 50 Hz
FOOTPRINT (L/W/H) Standard	-	3825 x 2265 x 1735 mm
FOOTPRINT (L/W/H) Extended	-	7365 x 2265 x 1735 mm
WEIGHT	-	1500 Kgs

PRODUCT PORTFOLIO

- 4 Color low-speed dry offset cup decorators
- 4 Color high-speed dry offset cup decorators
- 6 Color high-speed dry offset cup decorators
- 8 Color high-speed dry offset cup decorators
- 4 Color low-speed dry offset tube decorators
- 6 Color high-speed dry offset tube decorators
- Cup stacking systems

Narrow-web label finishing equipment

- High-speed slitter/re-winders + inspection
- Rotary and sem-rotary die cutters