



GABLE-TOP PACKAGING MACHINERY SYSTEMS



NiMCO Ultra Clean Series for 70 x 70 mm Gable-Top Cartons

Machine Features

- Mechanical Drive System
- Rugged Stainless Steel Frame
- Stainless Steel Product Contact Parts
- Electronic Interlock Door Switches
- Central Manifold Greasing System
- UHMW Guide Chain Rails
- No Carton - No Spout - No Fill Sensors
- Hi-Low Level & Product Inlet Valve
- NiMCO Time / Flow Fill System
- Electric Forced Air Top and Bottom Heaters
- Electronic Variable Frequency Drive
- PLC Control System
- Color Touch Screen Operator Interface

Ultra Clean System Features:

- Carton Sterilization - 35% H₂O₂
- Sterile Air Evacuation Unit
- Class 100 HEPA Air Filter
- Automatic Machine Sanitization

Optional CAP-PAC® Spout Applicator

- CAP-PAC® Spout Inserting System
- Ultrasonic Spout Welding Unit
- Spout Bulk Hopper / Elevator
- NiMCO Rotary Cap Feeder



NiMCO 680QLCP UC Ultra Clean shown with optional CAP-PAC Spout Applicator Unit

NiMCO Ultra-Clean ESL Systems take standard machines to a higher hygiene level to help extend shelf life of chilled products beyond the pasteurized level for distribution benefits.

NiMCO Ultra Clean Machine Systems are designed using an extended machine section to enable complete sanitization of the machine components, carton, with or without spout, before filling.

The machine maintains a constant overpressure in filling area and carton sterilizing tunnel with HEPA class 100 sterile air filters to keep outside air from entering the machine while removing any bacteria, spores or other particles.

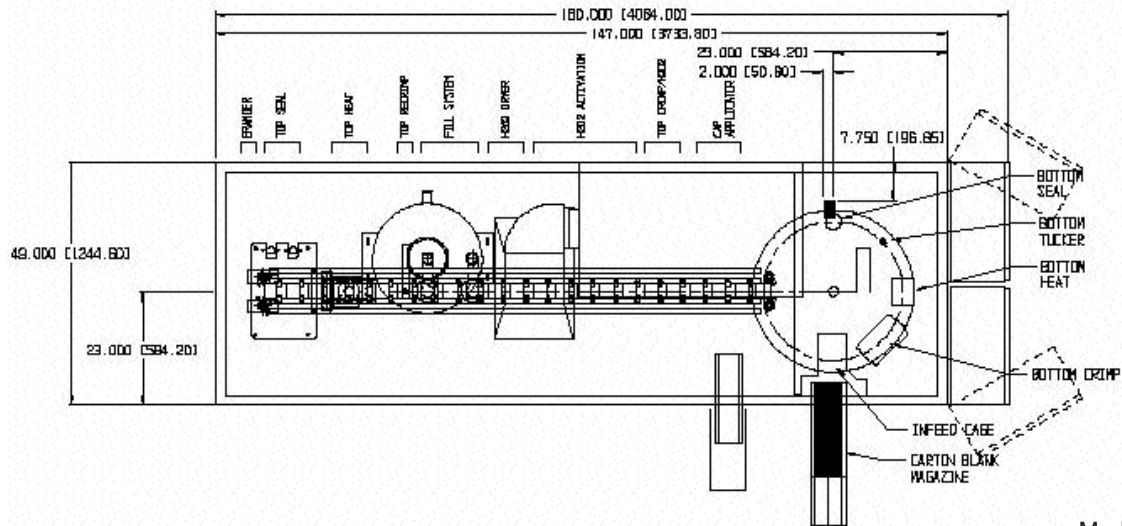
Package disinfection is achieved by use of H₂O₂ (*Hydrogen Peroxide*) vapor which is injected after spout application to insure proper treatment. The

H₂O₂ solution is vaporized with hot air and sprayed into cartons to cover the entire inside surface.

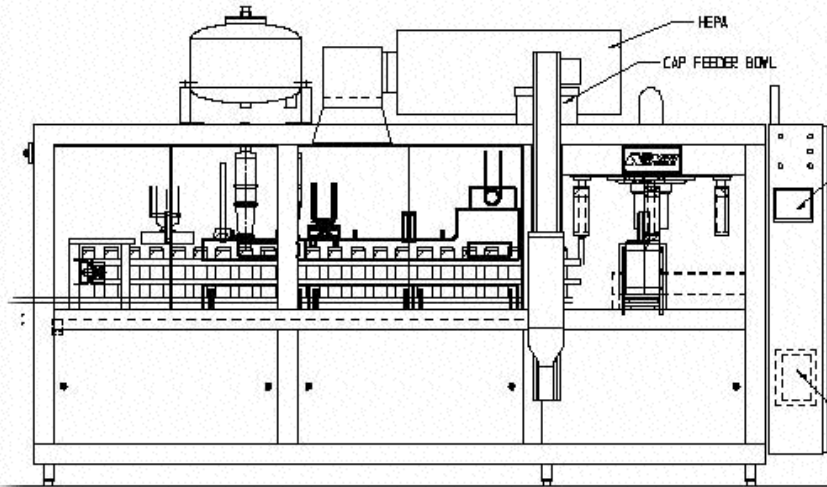
The cartons are dried with super heater air to insure cartons are completely dried and disinfected before filling. Any peroxide residue is exhausted from the machine.

Products are filled without contamination using an exclusive multi-purpose patented membrane flow meter filling system. After filling the cartons are top sealed and discharged from the machine.

The key to Ultra-Clean ESL technology is increasing the level of hygiene in the entire plant. The systems success will depend on the hygiene strength of the whole system including production, packaging and distribution.



Model 680QLCPUC



Technical Specifications

Model	380 UC with CAP-PAC	680 UC with CAP-PAC	8300 UC with CAP-PAC
Fill Volume 250 to 1000 ml Tetra Rex™ or Pure Pak	1500 Cartons / Hour	2500 Cartons / Hour	5000 Cartons / Hour
Electrical Power Peak Nominal	380V 3pH 50/60Hz +PE 27.0 kVA 15.8 kVA	380V 3pH 50/60Hz +PE 28.5 kVA 16.7 kVA	380V 3pH 50/60Hz +PE 52.0 kVA 38.5 kVA
Compressed Air Nominal - 1/2" Inlet	90 psi (6.5 bar) 560 lpm	90 psi (6.5 bar) 700 lpm	90 psi (6.5 bar) 1330 lpm
Cooling Water - 10C Chilled Water - 3 C 1/2" Inlet	1.0 gpm (3.8 lpm) 2.0 gpm (7.6 lpm)	2.0 gpm (7.6 lpm) 2.0 gpm (7.6 lpm)	2.0 gpm (7.6 lpm) 3.0 gpm (11.4 lpm)
Weight	5000 lbs (2275 kg)	6000 lbs (2730 kg)	8000 lbs (3635 kg)
Dimensions	49W x 109L x 90H (1.2 x 2.8 x 2.3)	49W x 160L x 90H (1.2 x 4.0 x 2.3)	49W x 215L x 90H (1.2 x 5.5 x 2.3)
<i>NiMCO reserves the right to change or modify specifications without prior notice</i>			