



Universal Packaging, Inc.

Mark Series VFFS



Universal Packaging Mark Series vertical, form, fill, and seal packaging system offers pillow package range from 1-1/2" x 1-1/2" to 9" x 12" with optional Dual Tube, and 3 & 4 Side Seal models. Production rates up to 90 packages per minute dependent on package sizes, and filler capability. The Mark Series provides *Reliability Through Simplicity* with the latest in technologies for high speed efficient operation. Features include Laser Fabricated Stainless Steel frame construction, *Universal Touch Command* color graphic touch screen operator interface, simple mechanical package length adjustment, Super Premium Efficient direct drive for lower energy cost, Full floating film cage with available auto film tracking, 30 product memory saved by number or 20 character text name for future re-call, minimizing changeover time, One piece form collar requiring no tools for change-over.

Features:

- *Universal Touch Command* 6" TFT Color Graphic Touch Screen
- Allen-Bradley Micro Logix 1500 PLC w/Device net communications in NEMA 4X Stainless Enclosure
- 30 Product memories with 20 character text descriptions with copy and paste feature to establish new setups quickly
- Independent digital PID Temperature controls for each seal die with alarms
- Infra-Red Print Registration w/Missed Registration Alarm
- Full Floating Film cage with available automatic film track adjustment
- Toggle Link Endseal drive for superior seal strengths and low air consumption
- Direct Drive Super Premium Efficiency machine drive for lower energy cost
- Stainless Steel or Food Grade Plastic Product & Packaging film contact areas
- Heavy-Duty laser fabricated Stainless Steel machine body for sanitary operation
- Production statistics including:
 - Batch Counters
 - Total Machine Cycles
 - Total Run Hours
 - Maintenance Alarms
 - Production Trend Graph
 - Production Data Meter
- Production Alarms including:
 - Low Film
 - Low Product
 - Missed Registration
 - Film Web Alignment
 - Seal Temp out of range
 - Code Date failure
- Safety Features
 - Electrically Interlocked Safety Shields that lift off for ease of cleaning and maintenance
 - Pneumatic Circuit Pressure release
 - 24 VDC Valves and Sensors
 - Endseal Obstruction Detection
 - Visual and Audible Warnings to warn operator
 - Lockout Disconnect

Specifications

	Min Pillow (W x L)	Max Pillow (W x L)	Min 3 & 4 Side Seal (W x L)	Max 3 & 4 Side Seal (W x L)
Bag Sizes	1-1/2" x 1-1/2" (38mm x 38mm)	9" x 12" (228mm x 304mm) 4" x 12" Dual Tube (104mm X 304mm)	2" x 2" (50mm X 50mm)	6" x 6" (3 Side seal) (152mm x 152mm) 7" x 11" (4 Side seal) (177mm x 280mm)
Package Style	Pillow	Or Optional	3 or 4 side seal	
Package Materials	Supported Laminates	Or Optional	Un-Supported Polyethylene	
Sealing Types	Resistance for Supported Films	Or Optional	Impulse Seal for Un-Supported Films	
Production Rates	Up to 90 BPM (Up to 180 BPM dual tube) **Application Dependent**			
Electrical	208 to 240 VAC 3Ph 50/60Hz 20 Amp w/Earth Ground (w/ out filler)	Optional Voltages at Additional Cost		
Pneumatic	8 CFM @ 80 PSI Clean Dry Air (226 LPM @ 5.5 Bar)			
Net Weight	1,400 lbs. ** (635 Kg)	**Machine No Filler or Accessories**		
Size	42" w x 87" d X 64" h ** (106 cm x 220 cm x 162 cm)	**Machine No Filler or Accessories**		

Optional Accessories

- **Fill Systems**

- Auger Fill Clutch/Brake
- Servo Auger
- Weighing
 - Dial-A-Fill Scales
 - Bulk & Dribble Scales
 - Computer Scales (Ishida, Yamato, etc)
 - Off-Line Check-weigh
 - In-Line Check-weigh
- Liquid Filler's
 - Piston Filler
 - Servo Positive Displacement Filler
- Counter Systems
- Cup Volumetric

- **Seal Die Options**

- Hole Punch
- Tear Notch
- Pour Spout
- Liquid Seal Die
- Bag Stripping for Chips
- Coding Options
 - Touch Dry Ink
 - Thermal Transfer
 - Ink Jet
- Conveying Options
 - Pack-Off Conveying
 - In-Feed Conveying
- Package Options
 - De-Gassing valve applicators
 - Gas Flush
 - Static Eliminators
- System Options
 - *Unicom* on board modem
 - Remote Production Reporting packages

****Specifications subject to change without notice ****



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