

Item # ARPAC HCF37-3, Intermittent Motion Horizontal Shrink Wrapper

QUOTE



Intermittent Motion Horizontal Shrink Wrapper

The HCF SERIES intermittent motion horizontal shrink wrapper is ideal for overwrapping large industrial products where full enclosure is required. Reaching speeds up to 15 packages per minute, the HCF SERIES wrapper operates on-demand as product is placed on the infeed conveyor. Product is then conveyed through a film forming head which engulfs the product in film while creating a bottom overlap seal along the length of the product.

A set of seal bars then creates a cross seal. An optional bottom seal produces positive thermal seal.

The HCF SERIES is available with a variety of optional infeeds to accommodate a wide range of product sizes. An optional HVP4/488 stand-alone shrink tunnel completes the system.

Mode of Operation

The customer places the product on the infeed conveyor. The belt pushes product into the inverting head and film plow. The machine detects the product and starts the powered film unwind system, eliminating any tension against the product. A static seal unit is located under the film plow, holding the overlapped film together. The vacuum conveyor pulls the film and product, preventing slowing or slippage.

When product clears the seal frame the seal bars close, sealing and cutting film around the product. After the seal is made the seal carriage opens. The product continues onto the tunnel conveyor belt to complete the packaging cycle.

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APPLICATIONS

Ceiling tiles
Doors
Insulation
Pizza boxes
Rubber mats
Windows

FEATURES

- Frame and major structural components are rugged welded steel-channelled frame construction.
- 16" Seal bar opening
- Standard conveyor height: 37" to 40"
- 1 HP variable speed main drive motor
- The lugged infeed conveyor with adjustable pin spacing offers flexibility for a variety of products.
- Right-hand operator push button controls with right-hand electrical enclosure
- Dual film roll side mounted film rack
- On-demand powered film feed
- Power-driven pinch roller film feed for smooth starts and stops.
- Low mass pneumatic-powered seal frame.
- Hot knife cross seal bar
- Solid-state relays for temperature and cycle control.
- Enclosure around sealing zone with interlock switches
- One fixed film forming plow
- Dual power drop.
- Allen Bradley MicroLogix logic controller with PanelView 600 Plus operator interface
- All digital controls for timing and temperature settings
- "No Tools" film roll cradle.

Guarding and Finish

- All working areas are guarded with clear polycarbonate hinged doors with electrical interlocks.
- Gray powder-coated paint is standard.

OPTIONS

- Hot air bottom overlap sealer
- Thermal &static sealer for bottom overlap
- Random pneumatic hole punch
- Casters, CRS
- Additional film former
- 24" gravity discharge conveyor
- Auxiliary E-Stop
- UL/CSA approved main electrical cabinet
- Model HCF37-3 Minimal Spare Parts Kit
- Model HCF37-3 Standard Spare Parts Kit
- Model HCF37-3 Full Spare Parts Kit

MACHINE SPECIFICATIONS

Speed ¹	<ul style="list-style-type: none"> • Up to 15 packages per minute (based on product specifications) • Max. belt speed: 68FPM
Electrical Power Requirements	240V, 3Ph, 60Hz, 14A
Pneumatic Power Requirements	60-80 psi, 5 SCFM

1 Production speed depends on product size, stability, and film characteristics.

PRODUCT SPECIFICATIONS

Width (across machine) ¹	up to 27 in
Length (flow direction) ²	8 and up in
Height Range ³	up to 16 in

Other Product Range Specifications	Specifications and product sizes may vary, depending upon the application.
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1 Package maximums cannot occur together
2 Package maximums cannot occur together
3 Package maximums cannot occur together

FILM SPECIFICATIONS

Film Roll Diameter	up to 20 in
Film Type	Center Folded Polyethylene Center Folded Polyolefin Center Folded PVC
Film Centerfold Maximum Width	up to 37 in