



# PACKAGING

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## Item # ARPAC HC37, Continuous Motion Horizontal Shrink Wrapper

QUOTE



### Continuous Motion Horizontal Shrink Wrapper

The HC37 continuous motion horizontal shrink wrapper is ideal for completely overwrapping individual products at speeds up to 80 packages per minute.

This system is used when visually appealing packages are important for retail display. A unique seal frame enables the HC37 to make horizontal as well as vertical cross seals. A static bottom lap seal with vacuum belt minimizes seal lines to better showcase your product.

The complete overwrap ensures that freshness is kept in, while dirt and moisture are kept out. This helps extend the product's shelf life, while reducing in-store product damage.

This heavy-duty system is constructed with a welded tubular steel frame and finished with non-corrosive Steel-It paint. Standard features include: an independently driven 6 ft. flighted infeed conveyor, a user-friendly, color touchscreen operator interface, precision temperature control with a hot knife seal and cut-off, and a self-contained vacuum system.

The HC37 is available with many optional plug-'n'-play infeeds to accommodate a wider range of package sizes. The HC37 is complete with ARPAC stand-alone shrink tunnels that ensure a uniform shrink.

#### Mode of Operation

The customer places the product between the flights on the infeed conveyor. The lugs push products 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 carriage starts moving forward and the seal bars close, sealing and cutting film around the product. After the seal is made the seal carriage opens and returns to its home position. The product does not stop at any time during the sealing process and continues onto the tunnel conveyor belt to complete the packaging cycle.

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### APPLICATIONS

Cosmetics  
Food products  
Games  
Light bulbs  
Mailers  
Multipacks  
Paper Products  
Print applications  
Spray cans

### FEATURES

- Welded tubular steel frame construction, standard with left hand controls
- 6' flighted infeed conveyor with safety torque limiter
- Powered film unwind.
- One fixed film former with quick change mounting bridge.
- Bottom overlap static sealer.
- Vacuum belt conveyor.
- 8" cross seal bar opening (for horizontal cross seals)
- Horizontal/vertical cross seal capability
- Electrically interlocked polycarbonate guarding surrounding cross seal and trim seal assemblies
- "No Product Detected" photo eye on infeed
- Central lubrication fittings, nylon tubing to lubrication points.
- NEMA 12 main electrical cabinet
- Powered film unwind
- Vertical/horizontal cross seal capability
- Guillotine style hot knife seal bar design.
- Seal bar safety.
- Seal frame located in a reciprocating rack and pinion seal carriage.
- Vertically adjustable trim seal unit with crank handle.
- Laterally adjustable trim seal primary conveyer.
- Easy to load film cradle mounted over infeed conveyor handles up to 37" single wound film
- Needle perforation wheels for air evacuation
- Allen Bradley Micrologix controller.
- Allen Bradley PanelView 600 Plus operator interface
- Standard Allen Bradley electrical components
- Circuit breaker protection (no fuses)
- Solid state seal bar heater relay
- Variable speed discharge conveyor for film bunching

#### **Guarding and Finish**

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

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## **OPTIONS**

### **Lug Infeed Conveyors**

- 10' Lug Infeed Conveyor in place of standard
- 15' Lug Infeed Conveyor in place of standard
- 20' Lug Infeed Conveyor in place of standard
- 6' Lug Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 10' Lug Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 15' Lug Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 20' Lug Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)

### **Vertical Drop Lug Infeed Conveyors**

- 6' Vertical Drop Lug Infeed Conveyor in place of standard
- 10' Vertical Drop Lug Infeed Conveyor in place of standard
- 15' Vertical Drop Lug Infeed Conveyor in place of standard
- 20' Vertical Drop Lug Infeed Conveyor in place of standard
- 6' Vertical Drop Lug Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 10' Vertical Drop Lug Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 15' Vertical Drop Lug Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 20' Vertical Drop Lug Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)

### **"T" Lug Vertical Drop Infeed Conveyors**

- 6' "T" Lug Vertical Drop Infeed Conveyor in place of standard
- 10' "T" Lug Vertical Drop Infeed Conveyor in place of standard
- 15' "T" Lug Vertical Drop Infeed Conveyor in place of standard
- 20' "T" Lug Vertical Drop Infeed Conveyor in place of standard
- 6' "T" Lug Vertical Drop Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 10' "T" Lug Vertical Drop Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 15' "T" Lug Vertical Drop Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)
- 20' "T" Lug Vertical Drop Infeed Conveyor - Stand Alone New Style (Quick Connect, includes drive motor)

### **Paper infeed guides ("Z" shaped) in place of standard guides for lugged infeed:**

#### **6' Long Infeed**

- 1-1/4" high paper guides
- 2" to 3" high paper guides
- 5" high paper guides

#### **10' Long Infeed**

- 1-1/4" high paper guides
- 2" to 3" high paper guides
- 5" high paper guides

#### **15' Long Infeed**

- 1-1/4" high paper guides
- 2" to 3" high paper guides
- 5" high paper guides

### **Infeeds**

- 6' dual belt pacing infeed "quick connect"
- 10' flight bar infeed "quick connect"
- 10' flight bar infeed with roller bed, "quick connect"
- 20' flight bar infeed, "quick connect"
- Adjustable lug option
- Spare lugs, each

### **Film Handling**

- Film former
- Print registration capability, servo driven with programming
- Easy open perforator wheel
- Random hole punch (recommended for polyethylene film)
- Film inverter support for lightweight product
- Low profile package guide for product less than 1/2" high
- Sealstrip Peelwrap Applicator

### **Seal Bars**

- Quick change cross seal bar assembly for polyolefin films
- Quick change cross seal bar assembly for polyethylene films

### **Seal**

- Thermal/static bottom lap sealer in place of standard static (Polyolefin)
- Hot air bottom overlap sealer in place of standard static (Polyethylene)
- Seal bar closing conveyor
- Horizontal/vertical seal bar photo eye assembly

#### Miscellaneous

- Bunching Clutch (> 24" long product)
- Stainless steel construction (specify HCF37)
- 480V in place of 240V
- 208V/380V/575V electrical in place of 240V/480V
- UL/CSA approved main electrical cabinet
- Guard doors on both sides
- NEMA 4X boxes
- Auxiliary E-Stop
- Model HC37 Minimal Spare Parts Kit
- Model HC37 Standard Spare Parts Kit
- Model HC37 Full Spare Parts Kit

## MACHINE SPECIFICATIONS

Speed <sup>1</sup>	<ul style="list-style-type: none"><li>• Up to 80 packages per minute</li><li>• Up to 90 linear feet per minute</li></ul>
Electrical Power Requirements	230VAC, 1Ph, 22A
Pneumatic Power Requirements	80 psi, 10 SCFM

<sup>1</sup> Production speed depends on product size, stability, and film characteristics.

## PRODUCT SPECIFICATIONS

Width (across machine) <sup>1</sup>	up to 16 in
Length (flow direction) <sup>2</sup>	3 1/2 and up in
Height Range <sup>3</sup>	up to 12 in
Seal Dimensions	17" Wide Seal Bar
Other Product Range Specifications	Specifications and product sizes may vary, depending upon the application.
Product Size When Seal Bar is Vertical <sup>4</sup>	Width - up to 7 1/2" Length - 3 1/2" and up Height - up to 12"
Product Size When Seal Bar is Horizontal <sup>5</sup>	Width - up to 16" Length - 3 1/2" and up Height - up to 7 1/2"

<sup>1</sup> Package maximums cannot occur together

<sup>2</sup> Package maximums cannot occur together

<sup>3</sup> Package maximums cannot occur together

<sup>4</sup> Length - 3.5" or less with optional seal jaw bridge.

<sup>5</sup> Length - 3.5" or less with optional seal jaw bridge.

## FILM SPECIFICATIONS

Film Roll Diameter	up to 14 in
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Film Type	Polyethylene Polyolefin PVC
Film Centerfold Maximum Width	up to 37 in
Other Film Specifications	Single-wound film roll

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VIDEO

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