

Item # ARPAC TS37, Side Seal Horizontal Shrink Wrapper

QUOTE



Side Seal Horizontal Shrink Wrapper

The TS37 side seal horizontal shrink wrapper is one of the most versatile packaging machines on the market today. Capable of wrapping up to 80 packages per minute, the continuous motion TS37 film folding system eliminates the need for multiple forming heads with its adjustable film former.

Unlike conventional film inverters, the TS37 film path ensures equal transfer of grouped products onto the film without skewing the product configuration. This is ideal for multipacks and irregular shaped products. The machine features an electronically adjustable pouch length, which enables "on-the-fly" bag length changes without changing the flight spacing. All adjustments are made with a user-friendly color touchscreen where product changeovers can be completed quickly and easily - without tools.

The TS37 uses single wound film which is less costly than centerfolded. A unique side sealing mechanism ensures strong attractive trim seals using polyolefin, PVC or polyethylene shrink film. The TS37's cross-seal system uses a hot knife seal and cut-off, with a precision temperature control that maintains accurate heat settings. An independently driven scrap removal system compacts excess film.

A sliding film rack allows easy roll loading and reduces film changeover time. Located beneath the film forming table, the film rack requires no additional floor space.

Compact in design, the TS37 is easily integrated into any existing production environment.

The TS37's unique side seal process keeps package graphics distortion-free with neatly formed trim seals created extremely close to the product. The TS37 is perfect for artwork, mailers, compact discs and low-profile stacks of paper products such as napkins and greeting cards. This flexible system is also ideal for tall products such as bottles when utilizing the vertical sealing system, and optional film support former.

Mode of Operation

The product is loaded between the lugs on the infeed conveyor. The flights push the product into the inverting head where it enters the folded film and moves the product forward toward the side seal unit.

The open edge of the film is sealed, creating a tube. When the trailing edge of the product passes the seal frame, the seal carriage starts moving forward at the same speed as the product. Simultaneously, the seal bars close, cutting and sealing the film into a bag. When the seal dwell timer times out the seal bars open and the seal carriage returns to its home position.

The product, now sealed in a film bag, continues moving forward and transfers onto another conveyor or into a shrink tunnel to complete the packaging cycle.

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APPLICATIONS

Bottles

Cosmetics

Food products

Games

Hardware

Linens

Mailers

Multipacks

Paper Products

Pharmaceutical

Software

Spray cans

Toys

FEATURES

- Welded tubular steel frame construction.
- 6' flighted infeed conveyor with safety torque limiter. Other sizes and styles optional
- "No Product Detected" photo eye on infeed.
- Level wind film scrap take-up system.
- Central lubrication with Nylon tubing, copper tubing optional
- Electrically interlocked Polycarbonate guards surrounding cross seal and trim seal unit.
- Vertical/horizontal cross seal capability
- Guillotine style hot knife seal bar design.
- 8" cross seal opening
- 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 load film cradle with on-demand power film feed mounted on a slide out film rack.
- Rotary needle wheel film perforation assembly, random and/or registered hole punches optional.
- Adjustable film inverting head.
- Allen Bradley MicroLogix 1400 PLC.
- Allen Bradley PanelView 600 Plus operator interface
- Standard Allen Bradley electrical components
- Circuit breaker protection (no fuses)
- Solid state seal bar heater relay

Guarding and Finish

- All working areas are guarded with clear polycarbonate hinged doors with electrical interlocks.
 - Gray powder-coated finish is Arpac 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"
- 15' flight bar infeed

Film Handling

- 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

Conveyor Options

- Standard seal bar closing conveyor to allow product less than 3-1/2" long to travel over seal bar opening (7-5/8" wide belt allows either horizontal or vertical cross sealing)
- Narrow seal bar closing conveyor to allow product less than 3-1/2" long to travel over seal bar opening (5" wide belt allows either horizontal or vertical cross sealing)
- Seal bar closing conveyor to allow product less than 3-1/2" long to travel over seal bar opening (9-1/2" wide belt allows only horizontal cross sealing)
- Bunching clutch on discharge (for use on long products)
- Stainless steel construction (not wash down)
- Model TS37 - Polyethylene Minimal Spare Parts Kit
- Model TS37 - Polyethylene Standard Spare Parts Kit
- Model TS37 - Polyethylene Full Spare Parts Kit
- Model TS37 - Polyolefin Minimal Spare Parts Kit
- Model TS37 - Polyolefin Standard Spare Parts Kit
- Model TS37 - Polyolefin Full Spare Parts Kit

Electronic Options

- 208V/380V/575V electrical in place of 240V/480V
- 480V in place of 240V
- NEMA 4X box
- Auxiliary control box for opposite side control (push buttons only)
- Stack light (2 color)
- Low film alert (includes 3 color stack light)
- Alarm horn
- Remote start/stop (pendent)
- Additional E-Stops
- UL/CSA approved main electrical cabinet
- Guard doors on both sides and trim seal assemblies

MACHINE SPECIFICATIONS

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|-------------------------------|--|
| Speed ¹ | <ul style="list-style-type: none"> • Output speed: up to 80 packages per minute (based on product specs) • Output speed: up to 90 linear feet per minute |
| Electrical Power Requirements | 230V, 1Ph, 22A |
| Pneumatic Power Requirements | 80 psi, 5 SCFM |

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

PRODUCT SPECIFICATIONS

| | |
|---|--|
| Width (across machine) ¹ | 2 to 16 in |
| Length (flow direction) ² | 3 1/2 to 60 in |
| Height Range ³ | 1/4 to 12 in |
| Other Product Range Specifications | Specifications and product sizes may vary, depending upon the application. |
| Product Size When Seal Bar is Vertical ⁴ | Width - 2" to 7 1/2" Length - 3 1/2" to 60" Height - 2" to 12" |
| Product Size When Seal Bar is Horizontal ⁵ | Width - 2" to 16" Length - 3 1/2" to 60" Height - 1/4" to 7 1/2" |

¹ Package maximums cannot occur together

² Package maximums cannot occur together

³ Package maximums cannot occur together

⁴ Length - 3.5" or less with optional seal jaw bridge.

⁵ Length - 3.5" or less with optional seal jaw bridge.

FILM SPECIFICATIONS

| | |
|-------------------------------|------------------------|
| Film Roll Diameter | up to 14 in |
| Film Centerfold Maximum Width | up to 39 in |
| Other Film Specifications | Single-wound film roll |

VIDEO

SPECIFICATIONS

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|----------------|------------|
| Delivery Times | 8-10 weeks |
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