

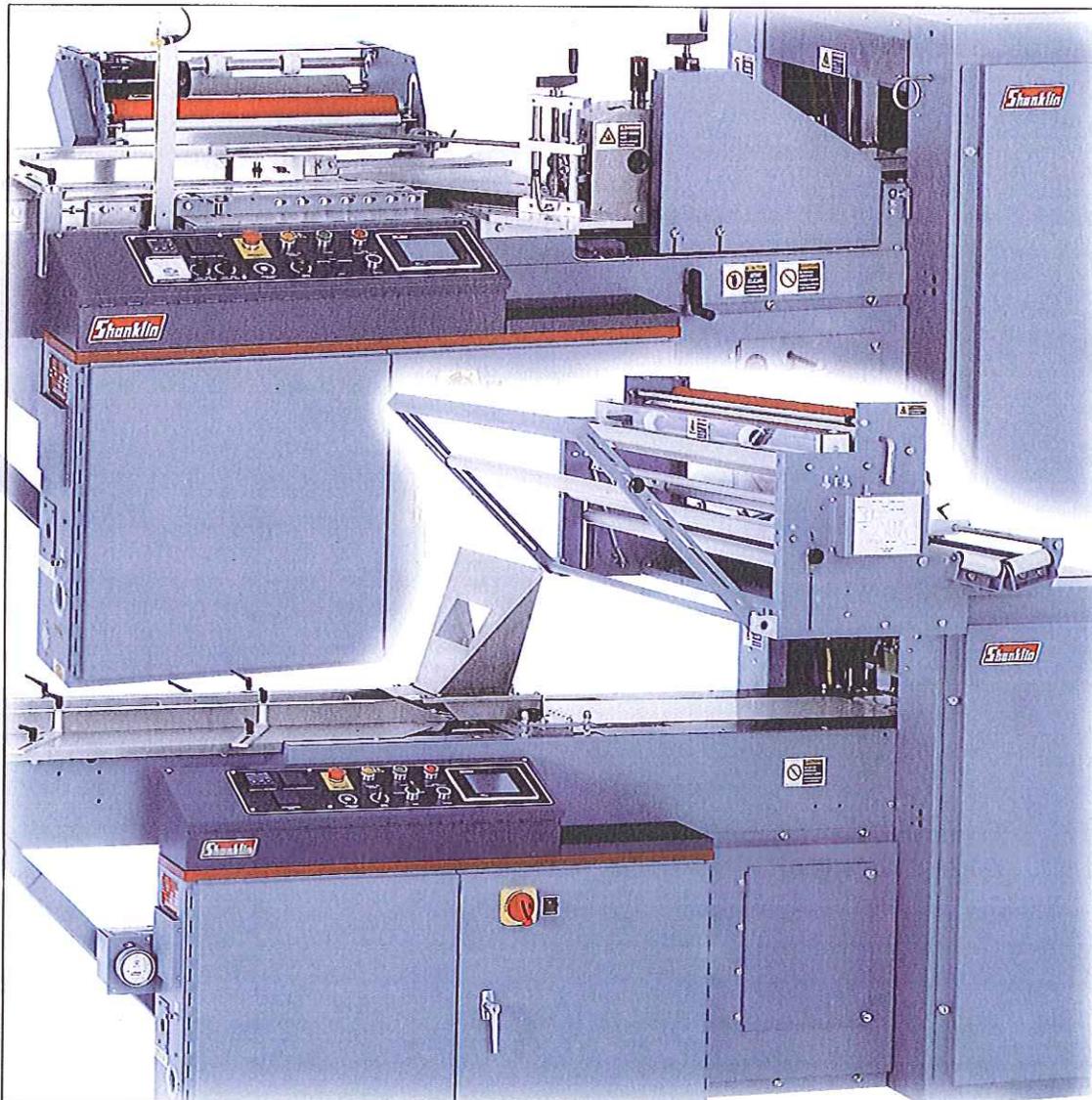
 **Sealed Air**
Shanklin[®]

Shrink Packaging Machinery

 **FloWrap**

Form-Fill-Seal Wrappers

Five Top Performers Expertly Designed and Built to Take On a Wide Range of Wrapping Challenges



FloWrap Series

No Matter What You're Wrapping, There's a FloWrap for the Job!

Fully automatic Shanklin FloWrap machines are continuous motion horizontal Form-Fill-Sealers designed to wrap packages effortlessly and efficiently. Built for peak performance, durability, and versatility, each FloWrap model includes numerous standard features and options that allow customization to application.

- **Fully automatic operation**—For maximum speed and efficiency; all models run equally well at high and low speeds; speed is adjustable at control console
- **Versatile**—Handles irregular shapes; product registration mode facilitates running of opaque films
- **Solid performance**—Produces 50-75 packages per minute (depending on application)
- **Easy to use**—Programmable controller with user-friendly touch-screen control panel for ease of set-up, operation and maintenance; includes help diagnostics tool that automatically displays machine faults and corrective actions at the push of a button
- **Easy changeover**—Adjustable product spacing and end seal placement accommodate product length and spacing changes for fast and simple product size changeover
- **Safe**—Electrical controls are UL-listed for meeting the highest safety standards

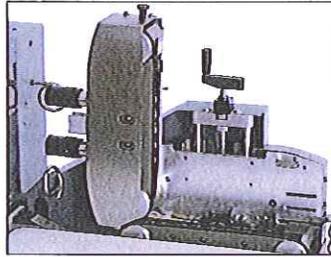
Standard Value-Added Features



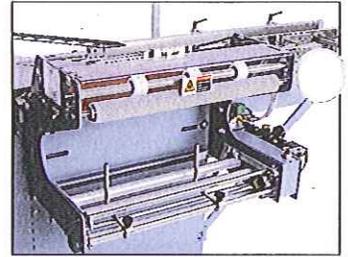
User Friendly Control Panel



Full Color Touch Screen



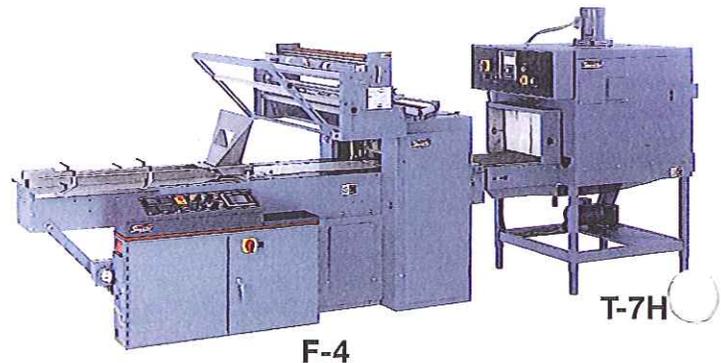
Swing Open Side Seal (models F-1/F-5/F-7 only)



EZ Load Film Unwind

The Perfect Partner

Pair your Shanklin FloWrap with a Shanklin T-7H, T-7XL or T-71 Shrink Tunnel for superior wraps every time!

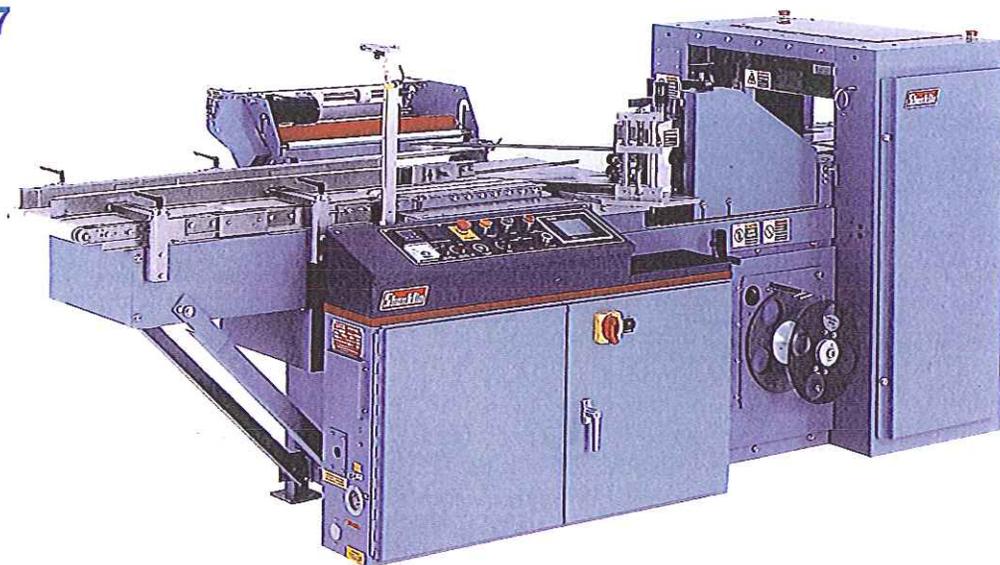


Shanklin FloWrap: Make One Yours!

Models F-1, F-5, and F-7

These efficient side-sealing wrappers shrinkwrap product with neat trim seals on three sides of the package, handling even irregular shapes with ease. The inverting heads do not require a precise matching of film width, thus allowing you to run many sizes of packages with only a moderate selection of film widths.

- **F-1**—Features a belt infeed that accepts intermittently delivered and randomly spaced product, setting the correct spacing by controlling the infeed belt speeds. Can also handle random product length for uninterrupted operation. Capable of wrapping up to 50 packages per minute.
- **F-5**—Similar to the F-1, but features a flighted lug infeed conveyor for faster operating speeds; can wrap up to 75 packages per minute.
- **F-7**—Similar to the F-1, but larger in capacity and designed with heavy-duty conveyors to accommodate larger and heavier product.



F-1/F-5/F-7 Form-Fill-Seal Wrapper



F-3/F-4 Form-Fill-Seal Wrapper

Models F-3 and F-4

These ruggedly built wrappers produce packages with trim seals on the leading and trailing ends of the package and a transparent overlay seam on the bottom. Their compact design allows them to integrate seamlessly into most product lines.

- **F-3**—Features a belt infeed that accepts intermittently delivered and randomly spaced product, setting the correct spacing by controlling the infeed belt speeds; can wrap up to 50 packages per minute.
- **F-4**—Similar to the F-3, but features a flighted lug infeed conveyor that facilitates higher operating speeds; can wrap up to 75 packages per minute.

Shanklin FloWrap Form-Fill-Seal Wrapper Model Specifications

| | Model F-1 | Model F-3 | Model F-4 | Model F-5 | Model F-7 |
|-------------------|--|---|--|---|--|
| Package Size | Min: 1/2" W x 1/8" H x 4" L Max*: 16" W x 6" H x 48" L Optional 8" height | Min: 1 1/2" W x 1/8" H x 4" L Max*: 16" W x 6" H x 48" L Optional 8" height | Min: 1 1/2" W x 1/8" H x 3" L Max*: 16" W x 6" H x 48" L Optional 8" height | Min: 1/2" W x 1/8" H x 3" L Max*: 16" W x 6" H x 48" L Optional 8" height | Min: 4" W x 1/8" H x 4" L Max*: 26" W x 10" H x 48" L |
| Max. Film Width | 22" folded or 44" flat** | 44" flat | | 22" folded or 44" flat** | 32" folded or 60" flat** |
| Conveyor Height | 35 1/2" - 41 1/2" without casters 41 1/2" - 47 1/2" with casters | | | | |
| Package Speeds*** | 50 packages/min. maximum | | 75 packages/min. maximum | | 50 packages/min. maximum |
| Film Speeds | 60 linear ft/min. maximum | | 90 linear ft/min. maximum | | |
| Longitudinal Seal | Weld bead at side of package | Static lap seal on underside of package | | Weld bead at side of package | |
| Transverse Seal | SmartWire or hot knife jaws standard. Polyethylene jaws available. | | | | Hot knife jaws |
| Main Drive | 1/2 HP DC motor with variable speed control | | 3/4 HP DC motor with variable speed control | | 1 HP DC motor with variable speed control |
| Power | 230 Volts, 20 Amps, 60 Hz, 1 phase | | | | |
| Compressed Air | 1/2 C.F.M. free air at 60 psi | | | | 1/2 C.F.M. free air at 70 psi |
| Safety Devices | <ul style="list-style-type: none"> Emergency stop button instantly stops all machine functions until manually reset Air cylinder safety opens end seal jaws Low voltage sensors and actuators | | <ul style="list-style-type: none"> Multiple safety interlocks Torque limiters on main drive and infeed conveyor Tamper-resistant controls | | |

*Width + height combination cannot exceed maximum film width.

†Centerfolder required for flat film.

**Dependent on product and application

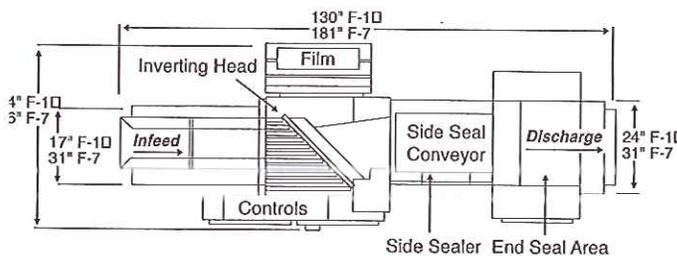
U.S. Patent Nos. R30,010; 4,219,988, 4,419,855, 4,537,016, 5,097,939, 5,131,213, 5,321,230 and pending.

Specifications on all machines subject to change without notice.

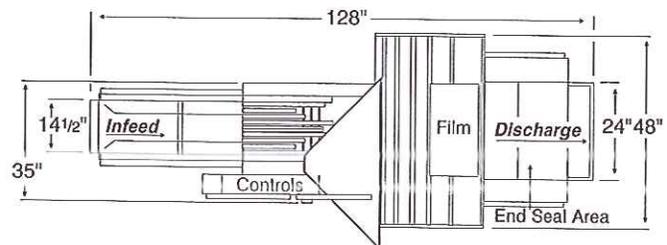
Some photos may show accessories not part of the basic machine.

USDA APPROVED MODELS AVAILABLE

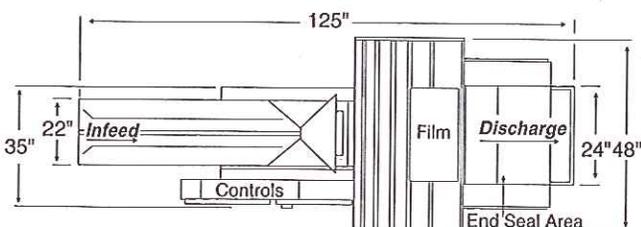
F-1/F-7 Plan View



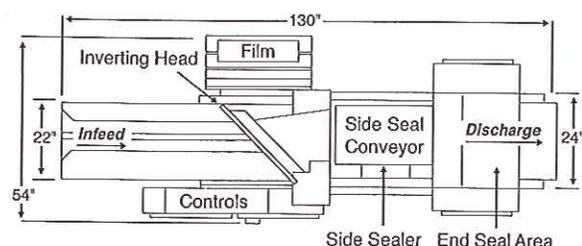
F-3 Plan View



F-4 Plan View



F-5 Plan View

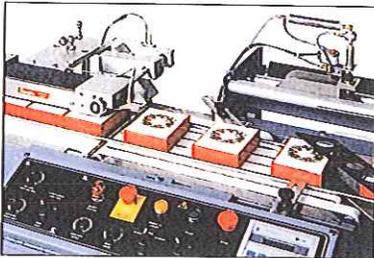


See the next page for dozens of available options for creating a truly customized wrapping solution

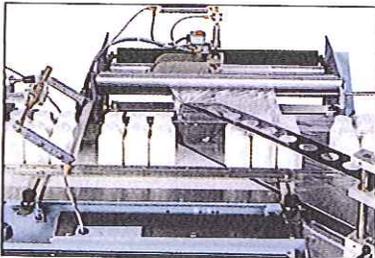
Shanklin FloWrap Options at a Glance

Infeed Options

By selecting just the right combination of options, you can customize your Shanklin FloWrap machine for the ultimate performance, efficiency and value!



Harmonic Overhead Infeed



Multipacking Infeed



Harmonic Side Belt Infeed



Adjustable Flight Bar Infeed

| Options | F-1 | F-3 | F-4 | F-5 | F-7 |
|---|-----|-----|-----|-----|-----|
| Adjustable Inverting Head | X | | | X | X |
| Additional Film Forming Heads | | X | X | | |
| Light Stack Status Indicator | X | X | X | X | X |
| Harmonic Overhead Infeed | | | X | X | |
| Harmonic Side Belt Infeed | | | X | X | |
| Multipacking Infeed | X | X | | | |
| Right Angle Infeed (L or R) | | | X | X | |
| Extended Infeed | | | X | X | |
| Automatic Product Placement Infeed Conveyor | | | X | X | |
| Flight Bar Infeed | | | X | X | |
| Cluster Lubrication | X | X | X | X | X |
| Centerfolder | X | | | X | |
| Centerfolder—Dual Roll | X | | | X | X |
| Remote Start/Stop Station | X | X | X | X | X |
| Vertical End Seal Jaws | | X | X | | |
| Hot Air Side Seal | X | | | X | X |
| Band Side Sealer | X | | | X | X |
| Thermal Lap Seal | | X | X | | |
| Hopper Feed Multi-Adjustable | | | X | X | |
| Film Run Out Detector | X | X | X | X | X |
| No Product Detector | | | X | X | |
| Special Product Guides | X | X | X | X | X |
| Large Capacity Salvage Scrap Systems | X | | | X | X |
| Unwind—Dual Film Roll | | X | X | | |
| Quick Change Flight Lugs | | | X | X | |
| Print Registration | X | X | X | X | X |
| High Package Modification—Up to 8" | X | X | X | X | |
| Short Package Transfer | X | X | X | X | |

Shanklin FloWrap Series

A Tradition of Exceptional Craftsmanship



Shanklin's dedicated force of skilled craftsmen take pride in their ability to produce a truly superior product. Most of the specially manufactured parts that go into Shanklin machines are produced in our own factory, and our extensive use of computer-controlled equipment ensures maximum quality and consistency at minimum cost.

Shanklin machines are assembled by highly skilled technical professionals who excel at meeting our exacting specifications. Each machine is then carefully examined, tested and run in a typical application to ensure its optimum operation prior to shipping.

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