Shanklin® Omni Form-Fill-Seal Wrapper

Improve efficiency and lower operating costs

OMNI WRAPPER

Dual-Belt Infeed Module

Single-Belt Infeed Module

Flighted Infeed Module

GO OMNI!

FOR TRUE SHRINK PACKAGING VALUE

Shanklin® Omni Form-Fill-Seal Wrappers

Designed with your needs in mind...

Servo Motion-Control Technology – Omni S

- **Fast –** High packaging speeds
- **Programmable –** Adjustable end-seal pressure, film bunching for tall products, automatic positioning for end-seal opening, end-seal centerline, side-seal conveyor positioning and side-seal centerline

Available in Right– or Left-Hand Configurations

- **Versatile –** Available right-to-left or left-to-right production flow configurations facilitate ease of line integration
- **Labor savings –** Allows one operator to control two machines simultaneously, maximizing labor resources

Maintenance-Friendly Design

- **Easy access –** Light-weight, easy-open seal-area cover, three front-hinged access panels (wrapper, selvage, and infeed) and a rear swing-out electrical control cabinet
- **Easy maintenance –** Quick release conveyor belt rollers, and fault identification and history
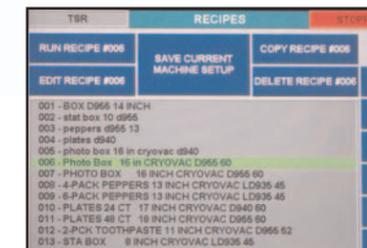
Versatile Sealing System

- **Large capacity –** The wide and high end-seal opening allows plenty of room to package large, tall products
- **Selection –** Choose either EZ Open dual wire or hot knife side-seal assembly, and SmartWire® or hot knife end-seal assembly

Operator-Friendly Design

- **Effortless –** Touch screen provides easy system setup and operation
- **Multilingual –** Operator interface features English, Spanish and French
- **Smart –** Enter new package dimensions and the recipe calculator will assist with setup
- **Self-diagnostic –** Viewable fault log tracks system errors
- **Secure –** Multilevel security access

Plug-and-Play Infeed Modules

- **Quick –** Infeed changeovers in less than 10 minutes
- **Value –** New infeeds may be purchased separately as needed, giving you long-term flexibility, value and investment protection
- **Efficient –** Simply choose the infeed module that maximizes your production efficiency

Intelligent Control Network

- **Intelligent –** Automatically identifies attached infeed module and accessories, and configures system accordingly

Wrapper and Package Set-Up Storage Capability

- **Repeatable –** Store up to 100 recipes for quick, repeatable changeovers at the touch of a button
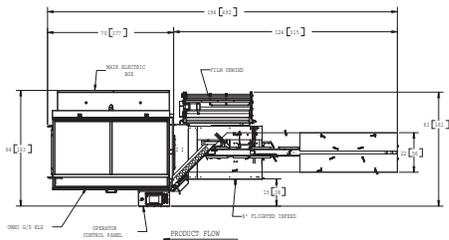
∧ OMNI WRAPPER WITH HARMONIC SIDE-BELT INFEED MODULE

Omni Wrapper Standard Features

	G	S
23" Wide End Seal	*	*
8" High End-Seal Opening	*	
10" High End-Seal Opening		*
Dual End-Seal Eyes	*	*
EZ Open Dual Wire or Hot Knife Side Seal	*	*
Modular Infeed Connection Ports	*	*
Automatic System Configuration	*	*
Enable/Disable Infeed Capability	*	*
Left-to-Right Product Flow Configuration	*	*
Light Stack Status Indicator	*	*
Quick Release Conveyor Belt Rollers	*	*
Casters	*	*
Graphics-Based Color Touch Screen	*	*
100-Package Recipe Storage Capacity	*	*
Quick Set-Up Recipe Calculator	*	*
CE-Compliant Design	*	*
Multilingual Operator Interface	*	*
Metric Fasteners	*	*
Swing-Out Electrical Control Cabinet	*	*
Integrated Recessed Selvage Winder with Dancer-Controlled Variable Speed Drive	*	*
Selvage Full Alarm/Blue Indicator Light	*	*
Selvage Break Alarm/Machine Stop	*	*
Automatic Scrap Film Threading (Air assist on start-up only)	*	*
Programmable "Film Bunching" for Tall Products	*	*
Dual-Axis Servo End Seal		*
Programmable End-Seal Pressure		*
Automatic Positioning for End-Seal Opening and Centerline		*
Automatic Positioning for Side-Seal Conveyor and Centerline		*

Infeed Module Standard Features
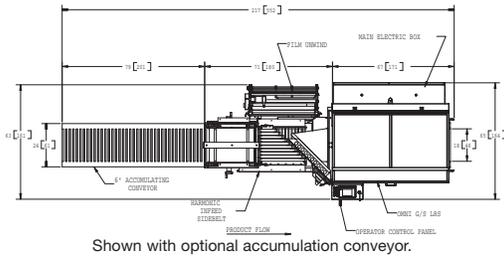
	G	S
30" Wide, Dancer-Controlled Variable Speed Film Unwind	*	*
Pin Perforator System with Back-Up Brush	*	*
Adjustable Film Inverter	*	*
Separate Infeed Drive Motor	*	*
Modular Infeed Connectors	*	*
Casters	*	*
Right-to-Left Product Flow Configuration	*	*
Left-to-Right Product Flow Configuration	*	*

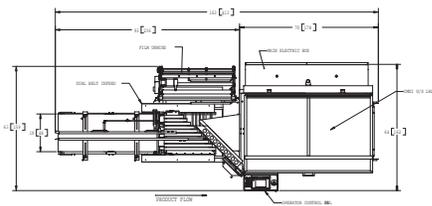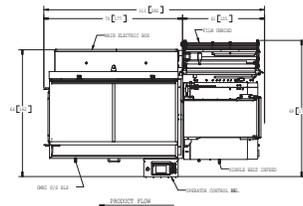|	Omni G LR & Omni G RL	Omni S LR & Omni S RL
Package Size	Min: 1/2" W x 1/16" H x 3" L Max*: 19" W x 8" H x Infinite L *Width and height combination cannot exceed maximum film width*	Min: 1/2" W x 1/16" H x 3" L Max*: 19" W x 10" H x Infinite L *Width and height combination cannot exceed maximum film width*
Max Film Width (Folded)	30 inches	30 inches
Max Film Width (Flat)	60 inches (with optional centerfolder)	60 inches (with optional centerfolder)
Conveyor Height	35 1/2 – 42 inches	35 1/2 – 42 inches
Package Speeds	Maximum 80 PPM Dependent on product and application	Maximum 100 PPM Dependent on product and application
Film Speeds	120 ft/min	120 ft/min
Longitudinal Seal	Dual Wire or Hot Knife	Dual Wire or Hot Knife
Transverse Seal	Hot Wire or Hot Knife	Hot Wire or Hot Knife
Drives	Conveyor/Side Seal 1/2 HP AC End-Seal Carriage 3/4 HP AC	Conveyor/Side Seal 1/2 HP AC End-Seal Carriage Servo End-Seal Open/Close Servo
Power	3 Phase, 230 VAC, 18 Amp	3 Phase, 230 VAC, 18 Amp
Compressed Air	1/2 CFM @ 65 PSIG	1/2 CFM @ 65 PSIG only required during initial selvage threading – not used during normal run mode
Safety Devices	• Emergency stop button to instantly stop machine motion • Seal bar safety feature to open jaws if closed on an obstacle • Low voltage sensors and controls • Multiple safety interlocks • Torque limits on drives • Tamper-resistant controls and interlocks • Full coverage interlocked hood over end-seal and side-seal areas	• Emergency stop button to instantly stop machine motion • Seal bar safety feature to open jaws if closed on an obstacle • Low voltage sensors and controls • Multiple safety interlocks • Torque limits on drives • Tamper-resistant controls and interlocks • Full coverage interlocked hood over end-seal and side-seal areas

Plan view – Omni RL with Flighted Infeed

Plan view – Omni LR with Harmonic Infeed

Shown with optional accumulation conveyor.

Plan view – Omni LR with Dual-Belt Infeed

Plan view – Omni RL with Single-Belt Infeed

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