# nVenia Arpac 75LTW Continuous Motion Tray Wrapper



## At a Glance

- Designed for the high-volume printing and publishing industry
- Product length up to 23 inches
- Built for random stacks of magazines, catalogues, books
- Up to 75 bundles per minute
- Smooth, quiet operation
- Wraps fixed or random sized stacks on demand
- Reduced maintenance

Buy your shrink bundling film from Pro Pac, and get a discount on this Arpac shrink bundler!

## Pricing

**Call us at 888-318-0083**

Many options are available. Complete details will need to be finalized to determine requirements and final system costs.  Work with your Pro Pac representative to build this machine to your specifications.

## Shrink Bundle Magazines, Catalogs, and Other Paper Products in the Publishing Industry

The nVenia Arpac servo-driven 75Gl shrink bundler guarantees superior performance for the high-volume printing and publishing industry. Wrapping up to 75 products per minute, this compact shrink bundler wraps random stacks of magazines, catalogs, books, directories, brochures and other printed materials on-demand, without interrupting production.

Servo-driven sealing offers precise electronic control for immediate and accurate sealing action, ensuring strong, consistent seals. The seal opening height is electronically programmed to vary with product height, maximizing output speeds for smaller products.

Servo drives enhance this industry standard's performance by eliminating pneumatic components.

These drives significantly reduce wear, maintenance costs, and extend the life of the seal carriage. Servo drives ensure smooth operation while providing high quality sealing for the life of the machine.

Designed to interact with today's 18,000 to 20,000 books-per-hour binding lines, the 75Gl is perfect for presorted postal route sequencing applications, and the printing and publishing industry's fastest counter stackers.

## Mode of Operation

Products are conveyed paced and centered onto the powered infeed conveyor. Photo eyes located on the infeed conveyor detect the height of the product as it passes. The PLC then cycles the zero tension mechanism so that there is no film tension applied to the product as it intersects the film. When the product intersects the film web, it passes through the seal frame and moves onto the seal conveyor. As the product moves through the film the machine detects film usage and starts the powered film unwind feeding film. After enough film is fed the powered film unwind system stops.

As the product moves through the seal frame the seal carriage moves the seal frame forward with the product and the seal bars close to form a film sleeve around the tray. The seal bars cut and seal the film. After the seal dwell timer times out the seal bars open and the seal carriage returns to its home position.

The product in the film sleeve continues moving forward across the seal conveyor and transfers onto the tunnel conveyor. The tunnel conveyor moves the product through the shrink tunnel chamber. The film shrinks evenly around the product as it travels through the tunnel. When the wrapped product exits the tunnel the film is still somewhat tacky. A cooling section located at the exit of the tunnel blows ambient/cool air onto the film as the product passes. This cools the film and allows for handling. The wrapped product then transfers onto the customer's conveyor completing the shrink packaging cycle.

## Features

Heavy-duty rugged construction designed for high durability and around-the-clock operation
Compact, single frame design (wrapper with integrated tunnel)
Laser cut and CNC machined components for maximum precision
Speeds up to 75 bundles per minute
Wraps random sized stacks on demand
Servo-controlled continuous-motion seal head provides smooth and quick transition of product through the wrapper at high speeds
Servo drives provide excellent repeatability throughout the life of the machine
Quick-change plasma-coated seal bars for long life and easy maintenance
Timing belt stabilized seal frame reduces maintenance and dirt accumulation
Independent variable speed drives on the wrapper and tunnel
Zero tension film feed prevents paper sheets or slippery magazines from shingling
Side mounted film cradles for easy film loading
Shrink tunnel with product cooling section at the tunnel exit speeds film curing
Durable Intralox conveyor belts eliminate tracking problems
Low film alert warns that a film changeover will soon be necessary
Allen-Bradley programmable logic controller with ARPAC standard operator interface
Digital controls for fast and accurate setup
NEMA 12 electrical cabinet and controls
Central point lubrication allows for routine maintenance without stopping production

## Options

Casters for machine portability
Quick-change seal cylinder kit for higher speeds
Jib crane to assist with film loading
Side mounted film rack with manual splicing bar for easy film loading at slower speeds
Side mounted film rack with manual film splicing bar and continuous film feed for easy film loading at standard operating speeds
13" product opening for taller products

Print registration - top film only
16" high product (max speed 45 bundles per minute)
Wider products and film widths: 75LTW-32 with 30" film and 75LTW-36 with 34" film
Seal gap bridge, roller or telescoping, for product 3"-5" long

## Example Products

Cans
Jars
Bottles
Trayed boxes
Single-tier or stacked arrangement
Unitized boxes

## Machine Specifications

Speed: Up to 75 packages per minute
Electrical: 460 VAC, 3 Ph, 60 Hz, 30 Amp
Air: 80 psi, 12 SCFM
Lead Time: 8-10 weeks

## Product Specifications

Width (across machine): 5" to 16"
Length (flow direction): 7" to 23"
Height Range: .1875" to 10"

## Film Specifications

Roll Diameter: Up to 14"
Gauge: Up to 1.5 mil
Roll Width: Up to 23"
Type: Low density polyethylene (LDPE)
Clear or randomly printed
Core: Up to 3"

Please contact Pro Pac or call 888-318-0083 for your shrink bundling equipment.