



## Item # ARPAC 75GI-20X, Continuous Motion Shrink Wrapper with Tunnel

QUOTE



### Continuous Motion Shrink Wrapper with Tunnel

ARPAC's servo-driven 75GI 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 75GI 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.

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### APPLICATIONS

- Books
- Catalogs
- Magazines
- Mailers
- Newspapers
- Paper Products
- Periodicals
- Tabloids

## FEATURES

- Rugged welded steel frame.
- Top and bottom side mounted film cradles with a total film capacity two rolls of 14" film and low film alarm.
- Manual type film splicing bar.
- Infeed conveyer is single stage including a 13" wide friction top Intralox belt.
- Seal conveyer is single stage with 13" wide friction top Intralox belt.
- Central point lubrication interconnecting all critical lubrication points
- Automatic product height detect on infeed with zero tension film feed.
- Casters
- Zero tension auxiliary film feed located near the upper film drive.
- ARPAC designed coil heating elements contact more airspace for greater efficiency
- Quick change, pull out tunnel heater assembly accessible from electrical cabinet.
- Intralox 900 high temperature tunnel belt
- Blower motor separated from turbine for cool operation and long motor life
- Turbo cooling section at tunnel exit to aid film curing
- 20" seal frame with an 11" standard opening mounted in a continuous-motion servo driven carriage and seal bar.
- Quick-change single element seal bar with military type quick disconnect and replaceable plasma coated inserts.
- Resistive-type Nicad heating elements.
- Seal bar safety photo eye.
- ARPAC's original top powered zero tension film feed.
- Top and bottom low inertia film dancer bar system with straight-through quick-threading feature.
- Electrically connected safety door switches.
- NEMA 12 main electrical cabinet with a Westinghouse lockable through the door main circuit breaker.
- ARPAC standard A-B control panel with ARPAC operator interface.
- Pass through mode.

### Guarding and Finish

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

## OPTIONS

- Heavy duty casters
- Special feet for +3" elevation adjustment
- Auxiliary E-Stop Button(s) – per button
- UL labeled main electrical cabinet (per machine)
- 30" long Shuttleworth conveyor
- Ninety degree curved belt infeed
- Side smoothing rollers
- Model 75GI-20X Minimal Spare Parts Kit
- Model 75GI-20X Standard Spare Parts Kit
- Model 75GI-20X Full Spare Parts Kit

## MACHINE SPECIFICATIONS

Speed	Output speed: up to 75 packages per minute
Electrical Power Requirements	480V, 3Ph, 60Hz, 50A, 40kW Note: other voltages available on request
Pneumatic Power Requirements	80 psi, 12 SCFM

## PRODUCT SPECIFICATIONS

Width (across machine)	5 to 12 in
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Length (flow direction)	7 to 18 in
Height Range	3/16 to 10 in

## FILM SPECIFICATIONS

Film Roll Diameter	up to 14 in
Film Gauge	1.5 to 2.5 mil
Film Type	Low density polyethylene (L.D.P.E.)
Film Roll Width	6 to 19 in
Other Film Specifications	Clear or randomly printed Core of film roll - up to 3 in

## VIDEO

## SPECIFICATIONS

Delivery Times	8-10 weeks
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