

Item # ARPAC 55GI-20CX, Compact Continuous Motion Wrapper With Integral Shrink Tunnel

QUOTE



Compact Continuous Motion Wrapper With Integral Shrink Tunnel

ARPAC's industry-leading 55GI shrink bundler meets the needs of low to medium volume printers and interacts with today's 18,000 to 20,000 books-per-hour binding lines, presorted postal route sequencing applications and the printing industry's fastest counter-stackers.

The 55GI is capable of wrapping extremely short, lightweight and random sized products, and is ideal for e-commerce applications. Shrink wrapped bundles reduce movement and product damage during shipment, and provide protection against harmful environmental conditions.

The 55GI wraps random sized stacks on demand, without interrupting production of the wrapper itself. The zero tension film feed ensures that this compact and economical shrink bundler wraps up to 55 products per minute.

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
- Books on pads for e-commerce applications
- 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
- 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 rack and pinion seal carriage.
- 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

- Ninety degree curved belt infeed. Curve is powered from and controlled by the wrapper. If used with a Shuttleworth conveyer, the curve must follow the Shuttleworth unit
- Special feet for + 3" elevation adjustment, (STD is + 2"/- 0) Min elevation is 34"
- Casters
- Side smoothing rollers
- Quick change seal cylinder kit
- Auxiliary E-Stop
- Upgrade from 5/03 to 5/05
- Audible horn
- UL/CSA approved main electrical cabinet
- Model 55GI-20CX Minimal Spare Parts Kit
- Model 55GI-20CX Standard Spare Parts Kit
- Model 55GI-20CX Full Spare Parts Kit

MACHINE SPECIFICATIONS

Speed	Output speed: up to 55 packages per minute
Electrical Power Requirements	480V, 3Ph, 60Hz, 40A, 32kW Note: other voltages available on request
Pneumatic Power Requirements	80 psi, 30 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 20 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	LH 2-4 weeks, RH 6-8 weeks
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