



# PACKAGING

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## Item # BRANDPAC™ BPMP-5300, Continuous Motion Bottom Overlap Shrink Wrapping System

QUOTE



### Continuous Motion Bottom Overlap Shrink Wrapping System

The BRANDPAC™ BPMP-5000 SERIES is the champion in multipacking equipment for medium to high volume food and beverage industries. This versatile continuous motion bottom overlap shrink wrapping system operates on demand, without a seal bar to shrink wrap up to 75 unsupported multipacks or trays per minute, depending on the height and weight of the product.

Using single roll print registered polyethylene film, the BPMP-5000 system ensures accurate placement of printed logos, graphics and advertising messages on each bundle with a bull's eye enclosure.

Print registered film provides an attractive forum for your retail marketing message at a fraction of the cost of traditional paperboard packaging. The finished package is an easy to carry multipack that is attractive to the consumer.

Servo technology ensures the wrapper provides gentle product handling and precise wrapping. This automatic system accumulates product into patterns, wraps print registered film around the patterned product and shrinks the film to make multipacks. The user friendly ARPAC operator interface manages the complete system with simple entry and self diagnostics ensuring reliable performance.

Quick product changeovers take place in less than 15 minutes with the BPMP's pre-programmed product settings, drop-in color coded spacers for infeed lane guides and side film splicer. New product parameters are selected from one of 16 pre-programmed settings.

The BPMP-5000 is a fully integrated shrink film multipacker easily integrated with other packaging equipment.

- attractive multipacks or tray packs for retail display
- billboard effective print registration
- recyclable packaging materials
- cost effective (material and labor)

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### APPLICATIONS

Trays

Unsupported Multipacks

### FEATURES

- Printed film registration for accurate placement of printed graphics
- Heavy-duty frame construction with welded joints for high durability
- Laser cut and CNC machined components for maximum precision
- Steel-It paint provides a scratch resistant surface and prevents corrosion
- Fully guarded for safety and easy access
- Gentle product handling with servo or mechanical driven collating system
- Servo or mechanical driven overwrap for smooth and efficient film wrapping
- Servo-driven mechanical film feed is low maintenance and can adapt to a wide range of film lengths (no vacuum)
- Side mounted film rack and film splicing bar for quick and easy film changeover with little or no downtime
- Allen Bradley® programmable controller
- ARPAC operator interface features a color touchscreen with message display and self-diagnostics
- Low film alert warns that a changeover may soon be necessary
- Easy machine adjustments for reliable and quick product changeover
- Right or left hand operator station and film rack
- Air conditioning standard on main electrical enclosure

## OPTIONS

Options	BPMP-5300 Option, Machine mounted jib crane to facilitate film loading (QUOTE) BPMP-5300 Option, Product turning conveyor (QUOTE) BPMP-5300 Option, Side product transfer to infeed extends machine length by 48" (QUOTE) BPMP-5300 Option, Tray conversion for tool-less changeover from multipack to tray shrink wrapped products (QUOTE) BPMP-5300 Option, Wet product seal conveyor extends machine length by 48" (QUOTE)
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## MACHINE SPECIFICATIONS

Speed	Output speed: up to 60 packages per minute
Electrical Power Requirements	480V, 3Ph, 60Hz, 97A, 72kW Note: other voltages available on request
Pneumatic Power Requirements	80 psi, 30 SCFM at 50 cycles per minute
Machine Length	310 in

## PRODUCT SPECIFICATIONS

Width (across machine)	6 to 18 in
Length (down machine)	3 to 12 in
Height Range	3 to 12 in

## FILM SPECIFICATIONS

Film Roll Diameter	up to 20 in
Max. Film Gauge	1.75 to 2.5 mil
Film Type	Polyethylene
Max. Film Roll Width	6 to 26 in
Other Film Specifications	Clear, print registered or randomly printed film Core of film roll - up to 3 in

## GROUPERS

Groupers for Various Product Shapes	<p>ARPAC designs different groupers to accommodate a variety of product shapes. This assembly is used to separate products into pack groups and control the flow of product into the pacing flight bar assembly. In the case of tray-loaded products, the collator serves to pace and release products into the BPMP-5000.</p> <p><b>Servo Adjustable Starwheel</b></p> <ul style="list-style-type: none"><li>• 15 minute changeover</li><li>• Accommodates round products only</li></ul> <p><b>Servo Adjusted Side Belt</b></p> <ul style="list-style-type: none"><li>• 10 minute rapid changeover</li><li>• Accommodates round products only</li><li>• Tool-less servo adjustment of grouper</li></ul> <p><b>Mechanical Adjustable Starwheel</b></p> <ul style="list-style-type: none"><li>• 45 minute changeover</li><li>• Accommodates round products only</li></ul> <p><b>Mechanically Adjusted Side Belt</b></p> <ul style="list-style-type: none"><li>• 2 hour changeover to replace gripper belts and drive gears</li><li>• Accommodates round products only<ul style="list-style-type: none"><li>• Fixed size gripper belt</li></ul></li></ul> <p><b>Shuttle Grouper</b></p> <ul style="list-style-type: none"><li>• 30 minute tool-less changeover of grouper</li><li>• Accommodates round, non-round and square products</li><li>• Lane divider is required for non-round and square products</li></ul> <p><b>Custom groupers available upon request</b></p> <p>Our primary focus is finding engineered solutions to your packaging needs. Many of our groupers are custom designed to our customer's exact specifications.</p>
Groupers Available for this Model	<p>Custom groupers available upon request</p> <p>Mechanical Adjustable Starwheel</p> <p>Servo Adjustable Starwheel</p> <p>Servo Adjusted Side Belt</p>

VIDEO