ARPAC GROUP™

PACKAGING SOLUTIONS THAT MEAN BUSINESS

BRANDPAC™ BPMP-5000 SERIES

SINGLE ROLL CLEAR/PRINT REGISTERED FILM MULTIPACKER

Model shown: BPMP-5302 (LH)

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.

BRANDPAC™ BPMP-5000 SERIES

Infeed Section

- attractive multipacks or tray packs for retail display

- billboard effective print registration

- recyclable packaging materials

- cost effective (material and labor)

Grouper Section

Flight Bar Transfer Section

Overwrap Section

unsupported multipack

Finished Product Exits the Tunnel
Through 3-Way Cooling Section

tray pack

GROUPERS

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.

Servo Adjustable Starwheel
- 15 minute changeover
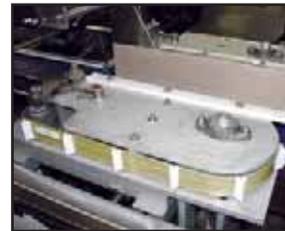- Accommodates round products only

Servo Adjusted Side Belt
- 10 minute rapid changeover
- Accommodates round products only
- Tool-less servo adjustment of grouper

Mechanical Adjustable Starwheel
- 45 minute changeover
- Accommodates round products only

Mechanically Adjusted Side Belt
- 2 hour changeover to replace gripper belts and drive gears
- Accommodates round products only
- Fixed size gripper belt

Shuttle Grouper
- 30 minute tool-less changeover of grouper
- Accommodates round, non-round and square products
- Lane divider is required for non-round and square products

Custom groupers available upon request
Our primary focus is finding engineered solutions to your packaging needs. Many of our groupers are custom designed to our customer's exact specifications.

THE PROCESS FOR BOTTOM OVERLAP WRAPPING

Servo Controlled Film Feed for Exact Print Registration

Film Cut from the Supply Roll

Smooth Motion Wrapping

Bottom Overlap Wrapped Sleeve to Shrink Tunnel

BRANDPAC™
BPMP-5000 SERIES

- up to 75 packages per minute
- wraps unsupported multipacks or trays
- single roll
- continuous motion bottom overlap
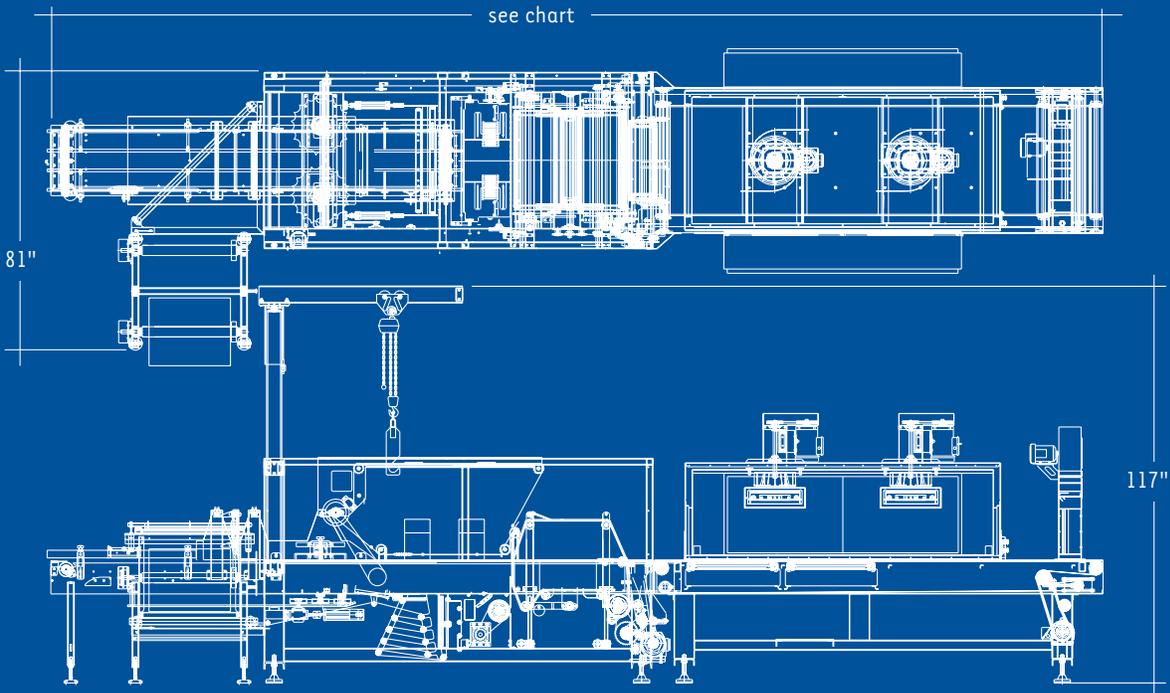- print registered film

Infeed Conveyor with Color Coded Spacers

User-Friendly Touch Screen Operator Interfaces

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
- Optional tray conversion for tool-less changeover from multipack to tray shrink wrapped products
- Optional machine mounted jib crane to facilitate film loading
- Optional product turning conveyor
- Optional wet product seal conveyor extends machine length by 48"
- Optional side product transfer to infeed extends machine length by 48"

see chart

81"

117"

*Note: Length of Machine Relates to Model

Model Shown: BPMP-5341
Right Hand Side
Note: Opposite Hand Available on Request

SPECIFICATIONS

Speed

• Output speed: up to 75 packages per minute (see chart)

Power Requirements

• Electrical: 480VAC, 3Ph, 60Hz, (see chart)

  Other voltages available on request

• Pneumatic: 80 psi, 30 SCFM at 50 cycles per minute

Product Range

• 6" to 18" width across machine (AM)

• 3" to 12" length down machine (DM)

• 3" to 12" height

Film

• Film width: 26" max., 6" min.

• Clear, print registered or randomly printed

• Film roll diameter up to 20" with a 3" core

• Film gauge: 1.75 mil to 2.5 mil polyethylene

Groupers							
Machine Models	Speed	Servo Star Wheel	Mech. Star Wheel	Shuttle	Servo Side Belts	Power	Machine Length
5100	Up to 35	NA	NA	•	NA	75A (65kW)	311"
5200	Up to 45	•	•	•	NA	75A (65kW)	287"
5300	Up to 60	•	•	NA	•	97A (72kW)	310"
5400	Up to 75	•	•	NA	•	125A (99kW)	410"

ARPAC L.P. 9511 West River Street | Schiller Park, IL 60176 USA | **P** 847 678 9034 | **F** 847 671 7006 | www.arpac.com

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