nVenia Arpac Brandpac BPMP Shrink Bundling Multi-Packer

At a Glance

- Attractive multi-packs or tray packs for retail display
- Billboard effective print registration
- Recyclable packaging materials
- Cost-effective for material and labor

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.

Continuous-Motion Bottom Overlap Shrink Bundling System

The Brandpac BPMP shrink bundling multipacker is the champion in multi-packing 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 multi-packs 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 multi-pack 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 multi-packs. 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.

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
Powder coat finish provides a durable 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

Tray conversion for tool-less changeover from multipack to tray shrink wrapped products
Machine mounted jib crane to facilitate film loading
Product turning conveyor
Wet product seal conveyor extends machine length by 48"
Side product transfer to infeed extends machine length by 48"

Example Products

Plastic bottles
Cans
Glass jars
Trays
Unsupported multi-packs

Product Specifications

Width (across machine): 6" to 18"
Length (flow direction): 3" to 12"
Height Range: 3" to 12"

Film Specifications

Roll Diameter: Up to 20"
Gauge: 1.25 to 2.5 mil
Roll Width: 6" to 26"
Type: Low density polyethylene
Clear, print registered or randomly printed film
Core: Up to 3"

BPMP-5100 Machine Specifications

Speed: Up to 35 packages per minute

Electrical: 480 VAC, 3 Ph, 60 Hz, 75 A, 65 kW

Air: 80 psi, 30 SCFM at 50 CPM

Machine Length: 311"

BPMP-5200 Machine Specifications

Speed: Up to 45 packages per minute

Electrical: 480 VAC, 3 Ph, 60 Hz, 75 A, 65 kW

Air: 80 psi, 30 SCFM at 50 CPM

Machine Length: 287"

BPMP-5300 Machine Specifications

Speed: Up to 60 packages per minute

Electrical: 480 VAC, 3 Ph, 60 Hz, 97 A, 72 kW

Air: 80 psi, 30 SCFM at 50 CPM

Machine Length: 310"

BPMP-5400 Machine Specifications

Speed: Up to 65 packages per minute

Electrical: 480 VAC, 3 Ph, 60 Hz, 125 A, 99 kW

Air: 80 psi, 30 SCFM at 50 CPM

Machine Length: 410"

Groupers

Groupers for Various Product Shapes

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
Our primary focus is finding engineered solutions to your packaging needs
Many groupers are custom designed to our customer's exact specifications

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

Product Groupers

Model	Mechanical AdjustableStarwheel	Servo AdjustableStarwheel	Servo AdjustableSide Belt	ShuttleGrouper	CustomAvailable
BPMP-5100				X	X
BPMP-5200	X	X		X	X
BPMP-5300	X	X	X		X
BPMP-5400	X	X	X		X