

BPX



BPX

Building products strapping machine

Simplifies Maintenance

Streamlined design drastically reduces maintenance time and requirements

Improves Production

Innovative features coupled with intuitive design results in a fast, reliable system

Operational Flexibility

Accommodates quarter-packs, half-packs and long loads to meet changing production needs

Package Performance

Side compression provides more surface coverage for improved load squaring

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The BPX compression strapping system delivers maximum packaging reliability in a simple to operate and easy to use machine. Its streamlined design with innovative, built-in features enables faster cycle times and more consistent package performance.

Features and benefits

■ Simplified maintenance procedures

The BPX system features separate, lightweight strapping modules that are easily accessible and removable, eliminating special handling equipment and simplifying operator intervention. Plus their innovative design coupled with fewer moving parts reduces maintenance requirements.

- Automated platen latch
- Remote strap feeding
- Separate high/low voltage cabinets
- Pressure release button raises compression platen



Strapping modules

■ Unparalleled package performance

Unique, independent side compression provides more surface coverage for improved load squaring and alignment. And unlike other systems, the BPX prefolds edge protectors prior to placing them on the load helping to provide consistent strap tension. To further maximize load stability, battens are delivered to the load and held securely in place until strapping has concluded.



Prefolds edge protectors



Batten feeder mechanism

■ Minimizes production interruptions

The BPX's highly intuitive, user-friendly HMI allows for machine preprogramming and provides quick diagnosis of service-related issues, limiting production downtime.

Optional equipment

- Automatic dual or quad batten magazine
- Automatic top or bottom edge protector applicators
- Side compression
- Powered super jumbo dispenser
- 575 VAC electrical
- Onboard Ethernet communications
- ControlLogix PLC

BPX Technical Specifications

Approximate Machine Size	L 4013 mm (7188 mm with batten feeder) x W 939 mm x H 3962 mm L 158 in (283 in L with batten feeder) x W 37 in x H 156 in
Cycle Rate	Dependent on package size, machine options and hydraulic adjustments
Top Compression	111205 N at 15858 kPa (25,000 lbs at 2,300 psig)
Side Compression	89,000 N at 15,858 kPa (20,000 lbs at 2,300 psig)
Hydraulic Power	7.5 kW at 15,858 kPa (10 HP at 2,300 psig) 228 liters (60 gallon) reservoir
Electrical Requirements	480 volt, 60 Hz, 3 phase, 35 amps
Control Panel	Allen-Bradley CompactLogix PLC & Operator 12 in PanelView Plus 1250 Color Touchscreen

Package Size

Minimum	140 mm H x 610 mm W (5.5 in H x 24 in W)
Maximum	1320 mm H x 1575 mm W (52 in H x 62 in W)
Minimum Length	1829 mm (72 in)

Modular Heads

Feeder Module Weight	22.2 kg (49 lbs)
Tensioner Module Weight	19.9 kg (44 lbs)
Sealer Module Weight	20.4 kg (45 lbs)
Strap Feed and Take-up Rate	5 meters per second (15 ft/second)
Strap	High-Strength Tenax® polyester 5/8 in - 3/4 in x .035 in - .060 in (0.89 mm - 1.5 mm)