

Introducing The New

BPIX

SIGNODE®

Lumber and Panel Strapping Machine



Maximizes
load stability

Improves
production time

Enhances
operator safety

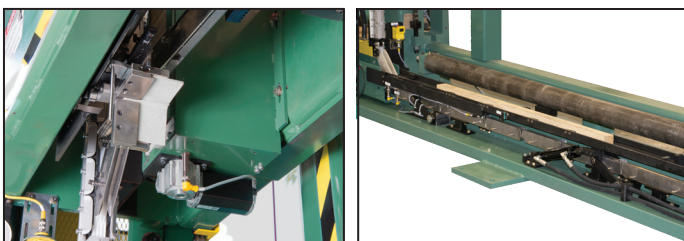
Simplifies
maintenance



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.

Maximum load stability

The BPX's innovative features and overlapping functions result in maximum load stability. It starts with the unique independent side compression that provides more surface coverage for improved load squaring and alignment. And unlike other systems, the BPX pre-folds edge protectors prior to placing them on the load to ensure consistent strap tension. Battens are precisely delivered to the load and held securely in place until strapping has concluded. Together, these features enable the industry's fastest and most consistent strapping of lumber and panel packages.



▲ Folded edge protection view

▲ Batten feeder mechanism

Improved production time



▲ Control panel

Provides a wide range of flexibility, accommodating quarter-packs, half-packs and long loads. The BPX's highly intuitive, user-friendly HMI allows for machine preprogramming so operators don't have to interrupt production to change load specifications. Plus, the HMI provides quick and easy diagnosis of service-related issues.

Dedicated to safety

Signode built features into the BPX to enhance operator safety.

- Automated platen latch maximizes safety for working underneath the platen
- Remote strap feeding eliminates entering the machine area to reload the strap
- Lightweight strapping head for easy removal and maintenance
- Separate high/low voltage cabinet simplifies PLC communication and control voltage work
- Large capacity consumables reduces replenishment intervals
- Multiple e-stops located around the machine for quick shut down
- Emergency pressure release button raises the compression platen

Modular Strapping Heads

The BPX system features separate, lightweight strapping heads that are easy to access and remove for maintenance, drastically reducing downtime. The feed module is located off of the platen, enabling it to be removed and serviced quickly.

Easier to maintain

- No special handling equipment necessary
- Simple design with fewer moving parts and durable wear parts
- No belts, pulleys or adjustments
- Easy access to the strap path

BPX Specifications

Approximate machine size:

158" L (283" L with batten feeder) x 37" W x 152" H

Package size:

Minimum: 5.5" H x 24" W (140 mm x 610 mm)
 Maximum: 52" H x 62" W (1320 mm x 1575 mm)
 Minimum package length: 96" (2438 mm)

Modular Heads

Feed module: 44 lbs (19.75 kg)

Take-up module: 44 lbs (19.75 kg)

Sealing module: 44 lbs (19.75 kg)

Strap feed and take-up rate: 15 ft/second (5 meters per second)

Strapping: 5/8"-3/4" x .035 to .060 (0.89 mm to 1.5 mm) gauge High-Strength Tenax polyester

BPX Compression Strapping Machine

Cycle rate: Cycle rate is dependent on package size, machine options and hydraulic adjustments.

Top compression: 25,000 lbs at 2,300 psig (111 205 N at 15 858 kPa)

Side compression: 20,000 lbs at 2,300 psig (88 964 N at 15 858 kPa)

Hydraulic power: 10 hp at 2,300 psig (7.5 kW at 15 858 kPa), 60 gallon (228 liters) reservoir

Electrical requirements: 480 volt, 60 Hz, 3 phase, 35 amps

Control panel:

Allen-Bradley CompactLogix PLC & Operator PanelView Plus 600 Color Touch Screen

BPX Options

- Automatic dual rack batten magazine. Can be attached to either end of the machine.
- Automatic top edge protector applicators
- Side compression
- Onboard Ethernet communication

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