

# SIGNODE **LB2000**

## Automatic Strapping Machine

for fast reliable packaging with polypropylene strap



### Features and Benefits

**Unique 'jamless' technology** – the patented LB2000 strapping head offers the highest reliability currently available.

**High operating speed** – with up to 52 cycles per minute, the LB2000 offers maximum flexibility resulting in reduced operating costs.

**No machine adjustments** – the LB2000 requires no adjustments. All components are easily accessible and built for long life.

**Unique access guide systems** – provides the operator with full and easy access to the strap path, reducing down time.

**Robust footpedal** – enables the operator to initiate the strap cycle whilst positioning packs with both hands.

**Variable strap tension** – tension is easy to adjust using a single tension dial. Once the desired maximum tension level is set, the operator can easily change back into low tension mode by simply moving a switch.

**Easy to use control panel** – positioned near the strap chute, using International symbols to explain all the function buttons and switches.

**Optimum mobility** – four castors, two of which are lockable, allow the LB2000 to be easily moved between different packaging locations.



# SIGNODE **LB2000** Automatic Strapping Machine

for increased productivity and reduced costs

## Design, function and operation

The LB2000 automatic strapping machine is used for general packaging applications. The machine is operator controlled and applies polypropylene straps to various sized products, envelopes, bundles and cartons.

The strapping head is driven by a cam shaft and requires no adjustments. It is very reliable in use and simple to operate. The built in foot pedal allows the operator to easily initiate the strap cycle whilst positioning and holding the product with both hands. The machine is equipped with a unique strap misfeed prevention system. In case a strap is applied without a package, the loop ejector prevents a strap jam. Even when a package is deliberately

placed on top of the strapped anvil, the operation of LB2000 is not effected.

The LB2000 incorporates a unique access guide system providing the operator with full access to the strap path, reducing down time. Simply by opening three quick release access guides, the entire strap path is fully accessible.

An automatic strap feeding system and quick-release dispenser side flange enables the rapid changing of strap coils, reducing down-time to an absolute minimum. In case of an uncompleted strap feed, the machine corrects itself by automatically taking up and refeeding the strap into the machine.



**EASY TO OPERATE**  
A large foot pedal enables the operator to initiate the strap cycle whilst positioning the product with both hands.



**JAMLESS STRAPPING TECHNOLOGY**  
A unique strap jam prevention system offers the highest reliability.



**AUTOMATIC STRAP LOADING**  
The strap end is inserted into the loading slot and is automatically fed into the head, chute and accumulator box.



**VARIABLE STRAP TENSION**  
The required tension level can be easily set by turning a dial on the outside of the LB2000. A separate switch allows the operator to quickly change over into a low tension mode.

## Options

- Remote cycle switch for initiating the strap cycle by hand. The strong magnetic backing allows the switch to be placed in a convenient position.
- Electric photo cell for automatically triggering the strap cycle. A switch enables the operator to select one strap, continuous strap or no strap mode.
- 400 V, 3 phase option.

## Models

The LB2000 is suitable for use with either 5 mm or 6 mm Polypropylene strap. Two models are available for strapping the following max. packaging sizes:

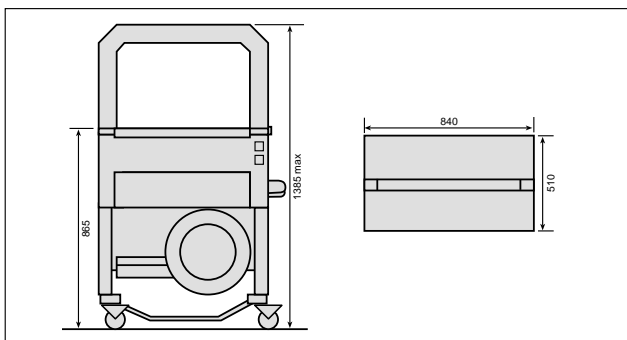
- 600 x 400 mm
- 730 x 400 mm.

## Spares and Service

A comprehensive consumables, service and parts back-up is available at Signode locations throughout the world.

## Strapping

Type	Strap Size (width x gauge)	Break Strength (Newtons)	Meters/Coil
109W	5 x .42 mm	450	6000
114W	5 x .50 mm	600	5300
SP212	6 x .46 mm	890	5105



## Technical Data

Strapping Head System	LB2000 cam driven head	
Sealing Method	Heat seal	
Strap Tension	Infinitely adjustable up to 250N	
Strapping Signal	Manually by foot switch	
Cycle Rate	up to 52 cycles per minute	
Power Supply	220/240 V, single phase	
Power Consumption	1.4 kW	
Max Package Sizes	600 x 400 mm or 730 x 400 mm	
Control Voltage	24 Volts DC	
Control System	Siemens S7-200	
Standard Table Height	865 mm	
Minimum Pack Face	60 mm	
Machine Weight	245 kg	
Machine Finish	Machine Panels	RAL 6000 green

