

# Signode Lumber Industry Systems Solutions

## Automatic and semi-automatic systems for Lumber Mills, Planing Mills and Panelboard plants

Automatic and semi-automatic systems for varied long-product wrapping solutions

Z-20 Lumber presses for use in saw mills, planing mills & panel board



SBM range for inline bundle strapping for maximum flexibility & throughput

MH range modular systems for load securement and pallet strapping

Signode has a range of products suitable for the fast-changing world of the lumber and wood industries. The extensive range of equipment, both semi-automatic and fully automatic, can be equipped with suitable options to solve most customers' lumber strapping & wrapping challenges for efficient, high speed operations. The Z-20 lumber compression and strapping machines for sawn and planed timber packages have options such as, top and bottom edge-protection applicators, bottom runner feeder and top batten applicator units.

Providing an extensive range of leading-edge solutions for the Lumber segment

As well as Z-20 based lumber presses for many applications, Signode has solutions for the lumber industry which also include equipment for lumber hood strapping, top and bottom batten or runner application and also a range of long-product wrapping equipment.

Boehl wrapping machines use the unique wrapping method of the high-speed vertical ring wrapping technology for on-line length wrapping operations. The range can be integrated into existing or new conveyor packaging lines and can handle a wide range of long product loads for unitization and product surface protection.

For strapping simple palletised loads the MH modular range can apply vertical straps to secure the products for shipment. The MH range features light-weight easy to handle modules which can be easily changed for servicing in a few minutes to ensure optimum machine uptime and global packaging line efficiency. Signode also has a range of battery-powered hand tools for hand strapping using 9 up to 32mm wide PET and also 9 to 16 mm wide PP strapping materials

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LUMBER

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## Automatic Z-20 based strapping presses for main line plants

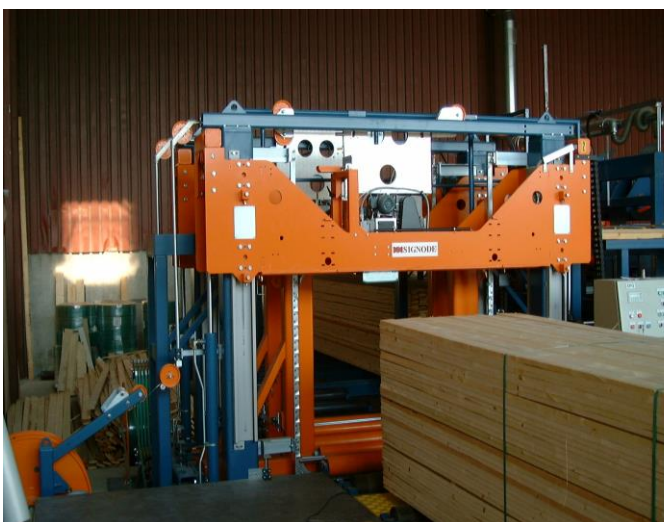


Lumber Hood strapping with 9-12 mm PET strap to secure the load cover



A Signode Z-20 lumber press in operation compressing and strapping sawn timber loads in a major lumber plant. The unit compresses the load and applies 16mm PET straps to the load. The press can apply from 40 kN to 100 kN of compression to the top and sides of the pack depending on the products. Some plants also strap the load hood when it is applied after compression strapping, using the MH-V-LH machine and 9-12mm strap as show above on the right.

Heavy-duty Z-20 hydraulically powered lumber presses in single and tandem operations and simpler, lower throughput but high-performance presses with side-mounted strapping head are available. Signode has a machine range to suit most, if not all, of the customer's needs for lumber load compression and strapping.



Tandem lumber compression and strapping machine in a high-throughput operation. The tandem applies two straps to each bundle for maximum load stability and high throughput. Use of jumbo coils strapping dispensers with from 73 to 135 kg coil capacity ensure maximum machine uptime and minimum downtime for strap coil changes. The modular Z-20 strapping head enables the strap sealer unit to be manually removed and replaced in less than two minutes for maximum machine uptime.

For lower throughput plants or product quality inspection lines Signode has a range of Z-20 hydraulically powered scissor-type presses with top and side compression arms and side-mounted Z-20 strapping head. A large range of machine options are also available for the Z-20-S-LP lumber press to suit most customer applications. These compression strapping machines, like all Signode presses be equipped with a sealless steel strapping head if required.





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## SBM, MH Modular & BXT-2 Handtool bundle strapping equipment

Inline operation of an SBM-4301 bundler for lumber strapping of packs as small as 50 x 5 mm (w x h)



Side-Seal machine securing bundles of decking with 12 mm PET straps for shipment to customers



Pack strapping in the shipping yard using the easy to use, light-weight, BXT-2 battery powered tool



BXT-2 battery hand tool in use in the shipping area of a large plant, the tool is mobile, light-weight well balanced, ergonomic and easy to use

Whether securing bundles of battening, sectional mill-work or flooring the SBM 4301 short-anvil machine is very reliable and is very easy to use. Auto strap feed-up, and minimum wearing and moving parts make it ideally suited for inline small bundle strapping. Bundles as small as 50 mm wide and 5 mm high can be securely packaged using 9-12mm economical PP strapping.

For pack bundling and load securement and also load re-strapping on the yard Signode's new BXT-2 battery powered tool is a first choice with most operators due to the tools lightweight, easy to use controls and fast battery re-charging, with no memory effect.

In-line bundle strapping using the 4301 short-anvil machine and economical 9mm PP strapping





# Signode Panel board Industry Solutions

## Automatic and sem-automatic pack strapping systems

Machines for production end-of-line packaging either operator controlled, semi-automatic systems or fully automatic machines for packaging loads with high-performance PET polyester strapping

Signode offers an extensive range of machine for panel board strapping applications. The range starts with simple manual and powered hand tools for lower throughput plants

The semi-automatic systems can be equipped with simple batten feeders and also with automatic top edge protectors, on the opposite side to the operator so the panel packs can be strapped by one operator. For long packs the semi-automatic, the power-strap feeder (PSF) can index along the length of the load.

Automatic machine can apply edge-protection onto loads to protect top edges of the panels. Bottom battens of varying lengths can be applied to loads from the integrated batten magazine.

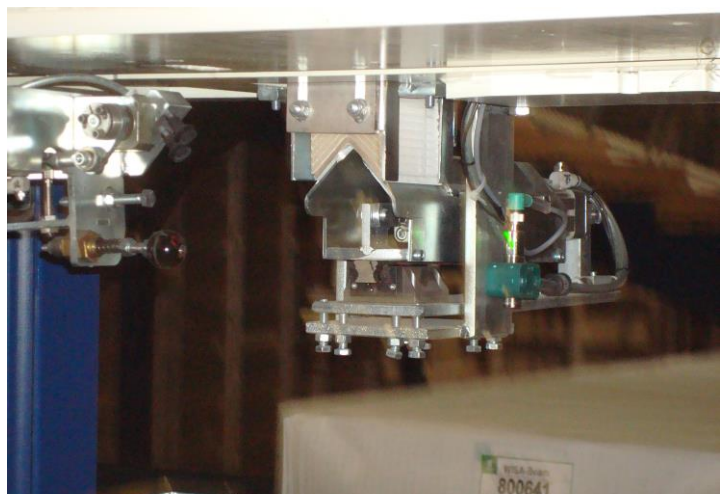
The Signode modular strapping head systems offer maximum machine uptime, ease of use, flexibility in production, and use a minimum wearing parts due to the use of new low or non-wearing materials.

Signode also offers a range of annual service contracts for preventative machine maintenance to suit each customer's needs and the equipment production levels.

**Z-20 machines with automatic top edge, & bottom batten units for high throughput lines**

Consistently applied high strap tension to panel board products using 13 – 19 mm PET polyester straps, ensure the packs are correctly packaged for handling and shipping. The Z-20 HD-LP machine accommodates a wide range of product widths and heights. Suitable machine mesh guarding and light-guarding packages ensure the equipment in each customer plant conforms to local safety standards.

The Z-20 also features automatic strap feed to the strapping modules so that strap coil re-loading for the machine can take-place outside the safety area thus enabling production to continue with interruption. Signode can provide strap in coils of 25, 75 and up to 135 kg for effective machine up-times between coil changes. Signode has the solution .



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**PANEL BOARD & LUMBER**

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