

# Signode Furniture Industry Systems Solutions

## Automatic and semi-automatic Systems for Furniture, Kitchen cabinet and Flat-pack furniture producers

Automatic and semi-automatic systems for varied wrapping solutions

PPS - Power-Pre-Stretch systems for economical pallet load wrapping



MH range for maximum online strapping flexibility & throughput at minimum cost

HBX Modular strapping systems for box closure on flat-pack and K/D lines

Signode has a wide range of products suitable for the changing world of the furniture industry. The extensive range of machines, both semi-automatic and fully automatic, can be equipped with suitable options to solve most customers' challenges for efficient and high speed packing operations. The strapping machines for cartoned goods, can also secure edge-protection onto products, apply box strapping and also load stretch-wrapping machines can pack the wide range of products produced in furniture plants.

Providing an extensive range of solutions for the furniture industry's packing needs

For strapping furniture loads the MH modular range can apply vertical and horizontal PP and PET straps to secure the products for shipment. The modular 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 maximum packaging line efficiency.

Efficient and economical carton closure is provided by the modern, low-maintenance and easy top use HBX machine range using low cost PP strapping for fast carton strapping and edge-protection application to loads, both fully automatic and semi-automatic machines are available depending upon customers needs.

The Octopus stretch wrapping range uses the unique wrapping method of the high-speed ring wrapping technology for on line pallet load wrapping operations. It can easily be integrated into existing or new conveyor packaging line operations and can handle a wide range of pallet loads. The machine is an ideal solution for pallet loads with a production capacity up to 120 pallets/hour depending on machine model, pallet load size, wrapping programme and conveyor speed etc.

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Automatic machines for palletised loads or cartoned products



Above an HBX-4330-LF large frame machine applies 9mm PP strap to flat-pack furniture to secure the paper packaging materials to protect the product. A number of Signode MH-H units are shown in full operation in a kitchen cabinet production plant, the units apply up to four straps to the varying load dimensions.



MH-H machines strapping cabinets on high-speed lines - up to 60 units per hour are possible



The MH-H horizontal machine works with both PP and PET strap to secure the packaging materials before shipment



The MH-H horizontal model is able to strap varying load heights and sizes for high throughputs, and high machine uptime. The modular heads are easy to remove for preventative equipment servicing. The MH-H can apply up to eight straps per load from one of the eight standard, fully variable strapping programmes. The unit can thus accommodate almost all customers strapping pattern needs for very different furniture products.

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## Modular design strapping and wrapping equipment

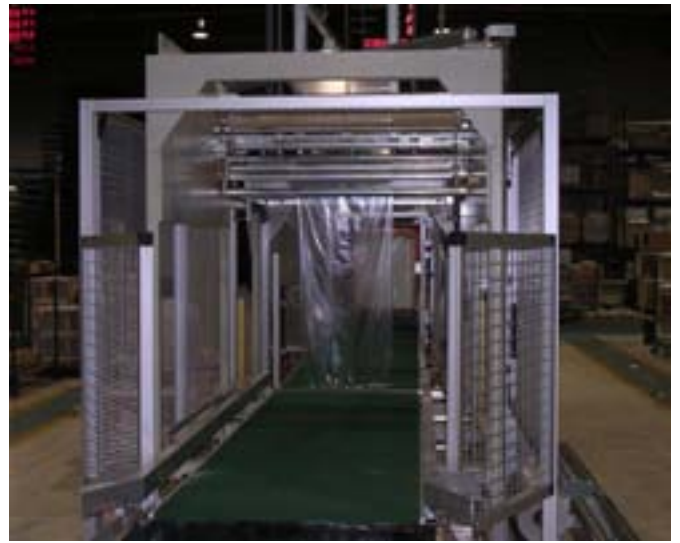
HBX 4300-LF machine applying 9mm PP to flat-pack furniture to secure the protective packaging



The HBX with its automatic strap feed and strap re-feed and jam-less technology is suited to the high demands in the furniture sector for machine ruggedness & uptime



HBX-4300 units strapping solid wooden doors and door skins for shipment with 12 mm PP strapping.



Kitchen cabinet packaging with a Senior S-1600VA film pre-drape unit and vertical stretch wrapper

The flexibility of the MH-H and HBX modular systems enables the machines to easily strap standard but also irregular-shaped loads at high speeds for fast, economic packaging in today's and also tomorrow's fully automatic furniture warehouse and logistic distribution systems.

Whether securing palletized loads of crated or boxed furniture products or ensuring kitchen cabinets are securely packaged to prevent damage in transit, Signode has a range of standard machines suitable for most customer products. For high value products special printed security strapping can be provided for box and packaging materials closure to prevent pilferage.

The wrapped small kitchen unit emerges from the Senior wrapping machine. The units are six side wrapped for maximum protection from dust and dirt and are ready to be stored or shipped to retail centres or direct endusers.



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Cartoned packed or wrap-around packaging strapping operations

High speed machines for the end-of-line packaging for carton closure, box security strapping and for fixing packaging materials top K/D furniture of assembled units all offering the lowest cost of ownership coupled

All furniture production lines for the distribution and warehousing locations rely on fast efficient operations over the whole process. This means the end of line packaging equipment has to perform to ensure products leave the warehouse on time. The MH range for PP/PET strapping with their unique jam-resistant, auto strap feed up technology, self-clearing systems, and a minimum of moving parts make them very reliable for all high-speed packaging applications. The MH range has a simple HMI system for operator guidance and advice with text display.

In many applications for high volume production lines there are few service or maintenance personnel available. The HBX machine range with an intuitive machine problem solving system, plus photocopier-easy-access enables line operators to resolve any machine issues should they occur.

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

Signode has packaging solutions for almost every customer application in the furniture manufacturing sector .

Consistently applied high strap tension to boxed furniture enables the products to be easily handled and if needed automatically palletized for further strapping and wrapping before shipment.

The HBX 4330 strapping machine features easy access to the machine and reduction in the number of moving parts which ensures maximum machine reliability and uptime. The workload on the single line operator is thus significantly reduced compared to other machines in use.

The MH and HBX can use a range of economical, high-performance PP polypropylene and PET Polyester strapping and are all suitable for many bundling applications across the industry.



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