



**H. BOHL**

Packing by Spiral Wrapping



## The Company

In 1925/1926 BÖHL manufactured the first twist wrapping/packaging machines in Hückeswagen/Germany.

Today we produce modern machinery and equipment on 4,500 square metres. The BÖHL Headquarters Team and more than 40 representatives all over the world offer competent advice, systems planning, design, manufacturing, implementation, training, and service for total customer satisfaction.

Our company policy and the financial resources of our corporation guarantee that you as our customer have a strong and sound partner.

Among others, BÖHL machinery is characterized by the following advantages: high efficiency, low energy consumption, low cost of consumables, low noise level, short set-up times, inter-linkage with other equipment, as well as a comprehensive choice of machinery.

Cutting-edge BÖHL technology combined with the highest possible quality contribute to your success.

If you adopt the BÖHL SLOGAN "PACKAGING BY WRAPPING", your product is packed safely and eco-friendly.

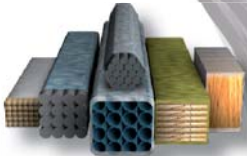
The results of our long-term cooperative partnership with our customer base in a variety of industries are mutual technical and innovative solutions.



## Wrapping technology

Basically, packaging by wrapping can be done by two different processes, or two methods, respectively, depending on the geometry of the products.

### Wrapping long products



Long products such as rods, pipes, sheets, or even entire furniture, are wrapped lengthwise, providing a safe transport package.

### Wrapping ring-shaped products



Ring-shaped products such as tubes, cables, pipes, wires, or coils are securely wrapped by ring wrapping.

### Further applications

Among further applications are tray wrapping, packing in bundles with stretch film or adhesive tape, wrapping sheet coils and, for example, our flat packaging equipment for packaging flat sheets.





## Wrapping long products

The variety of Böhl twist wrapping machines for long products ranges from simple BSA and BSB models through the JUNIOR and MEISTER classes to the SENIOR class. Even the basic models of our twist wrapping machines for long products excel in performance, ruggedness and operational safety.

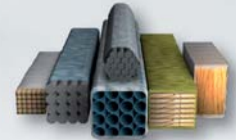
We can hand over to our clients decades of experience in planning, designing and manufacturing turnkey packaging lines. Thus our machinery is particularly well suited for integration into equipment with a high degree of automation.

### Applications

Starting from the gilded bars for picture frames, through all kinds of furniture, wood bundles as well as profiled rods, pipes, metal, plastics or wooden bars, to large steel packages.

### Product dimensions

Length:	long products of all kinds from approx. 300 mm to unlimited
Width:	10 mm bis 2,800 mm
Height:	10 mm bis 2,000 mm
Weight:	0.5 kg bis 30,000 kg per piece



### Wrapping materials

Stretch film (from 10 microns), PE flat film, all kinds of crepe papers, jute, etc. Wrapping in 1 or more layers is possible in a single operation. Adhesive tape may also be applied instead of film.



## Wrapping ring-shaped products

Within the class of twist wrapping machines for ring-shaped products Böhl also offers a wide variety of basic machinery that can be supplemented with a number of options.

Böhl ring wrapping machines, due to their advanced machine control systems and flexible adaptability, are ideally suited for integration into existing or planned packaging lines.

The requirements on our machinery as to product dimensions and the desired wrapping capacity, for example, differ greatly between users. Our expert team is at your side from the early planning stage in order to implement your ideas to perfection.

### Applications

Ring-shaped products of all kinds, from small ball bearings to large steel coils. Applies to horizontal as well as vertical designs.

### Product dimensions

Outer diameter: 125 mm to unlimited

Inner diameter: 100 mm to unlimited

Product width: 4 mm to 3,000 mm (preliminarily)

Weight: 0.5 kg to 30,000 kg

### Wrapping materials

Stretch film (from 10 microns), PE flat film, bubble wrap, all kinds of crepe papers, jute, etc.

Wrapping in 1 or more layers is possible in a single operation.

Adhesive tape may also be applied instead of film.



## Tray packaging – fixation on product carriers

### What does it mean? How does it work?

Technical components and all kinds of sensitive products are tightly wrapped by means of a transparent stretch film either on trays (product carriers) or solid cardboard, plastics; wood (chipboard ESP) or metal.

The selection of suitable trays is determined by the product or its weight, respectively. Following the tight, yet absolutely gentle wrapping the tray is placed by hand or handling system inside a suitable outer packaging.

In most cases loose fill is not required. This method can be used to ship even very sensitive products such as components of the electronics industry.

The total cost of packaging is reduced by the process of tray packaging.

The multitude of cardboard boxes can be reduced, less purchasing and stock-keeping expenses are incurred and substantially less loose fill material is required.

Further advantages are clearly optimized procedures in packaging and increased packaging capacity and output. The result is a clear cost reduction.

Return on investment periods of less than 12 months are viable.



## Tires

With BSB-100 / 120 SX Böhl offers a solution for spirally wrapping ring-shaped products with stretch or UV protective film, for example.

### Products for wrapping

Single tires and piles of tires, bicycle tires, special tires, tires of all kinds with or without rims, rims in cardboard boxes, packaging including accessories (e.g. tubes, etc.) feasible, cable and wire coils, cable reels, tube collars, etc.

### Your benefits

- Absolutely safe packaging accepted by all parcel services
- High efficiency
- Divergent products can be packed in bundles or entirely wrapped to convenience
- No set-up times, easy operation and low noise level

### Product dimensions

Height: 50 – 500 mm

Diameter: 300 – 850 mm

Other dimensions available on request

### Wrapping materials

PE stretch film, UV protective film, coloured and printed film, etc.



## Coilmaster

Our new generation of Coilmaster machines can be adapted to our customers' requests ranging from simple to highly complex configurations. We offer various options for the most diverse requirements.

This includes for example:

- Shuttle 420 for small inner coil diameters
- Twin Shuttle with two film attachments. Two different packaging materials can be used in one processing step.
- automatic film replacement
- automatic feed with edge protection
- fully automatic adaptor system for attaching an additional protective plate around the outer diameter

Coilmaster is a flexible machine that can be loaded with the latest generation of ITW film. We are in the position to offer you a complete package.

Packaging can be done in-line or with solutions outside the automatic conveyor track.

There are many options for our packaging system – contact us, we take pleasure in working out a solution for you.





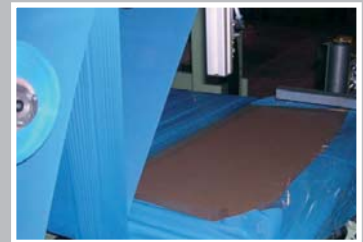
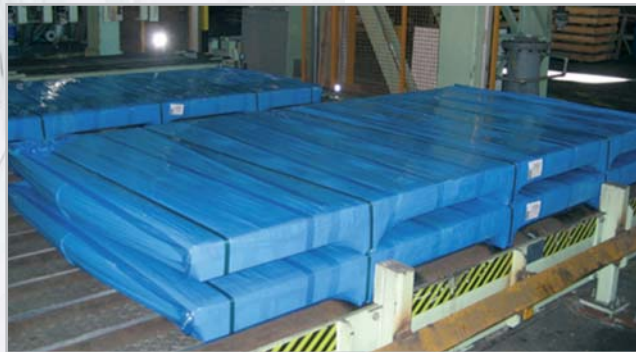
## Flatpack

Böhl Flatpack machinery has been specially developed for the steel industry and can be used for both cold and hot rolled steel sheet, applicable with or without pallet.

The packaging system protects the products on 6 sides by VCI film. A maximum protection against corrosion is therefore included. The equipment works in-line with the preceding cross-cutting machine. Specially developed conveyor technology ensures automatic packaging of almost any size with or without pallets.

We offer the comprehensive solution including automatic edge protection lining, square timber feed and steel strapping machine.

Our expert team is at your disposal at any time to work out the conception of your individual machinery.



## Böhl mechanical engineering

Every product needs individual solutions to ensure a perfect package.

For many products this is already covered by our standard machinery.

Other products may require further specially adapted solutions.

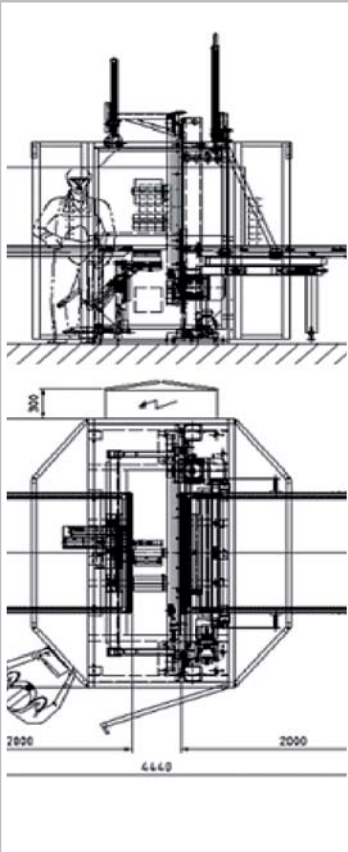
In this case we are your perfect partner.

### **Turnkey equipment: packaging lines / concepts / engineering**

Many clients request not only the appropriate wrapping machine (standard or special design) alone, but a turnkey fully automated packaging process from product feed to intermediate storage of the wrapped products.

This sector of demanding engineering services is a specialty of Böhl, a long-term, highly qualified partner of many industrial areas supporting you from planning through completion to maintenance service for the equipment.

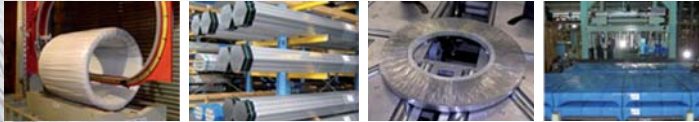
Take advantage of our decades of experience in designing and manufacturing advanced packaging lines of high capacity.



## Industries - applications

Our machinery is mainly used in the following industries:

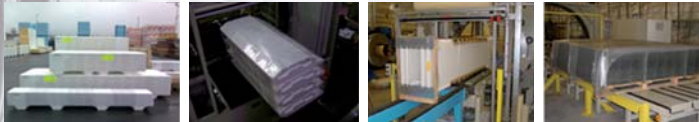
**Steel / wire drawing industry**



**Timber industry**



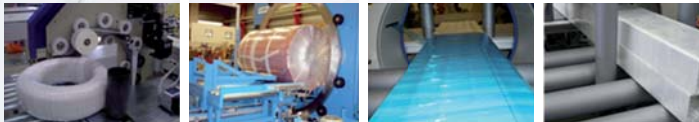
**Construction industry**



**Furniture industry**



**Plastics industry**



**Automotive industry**



*We pack your product!*



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