



Becker Gruppe



Securing transport goods and protecting products

Packaging as an overall concept



Becker packaging technology

Solutions from special purpose machinery manufacture



Founded in 1991, the **Becker Group** with its headquarters in Langenberg, North Rhine-Westphalia, today comprises the companies Becker Sonder-Maschinenbau and Becker Verpackungstechnologie. From stand-alone machines to complete solutions, from the design process to commissioning, from **sawing solutions** through to packaging machines, we supply you with **complete solutions** from a single source. Around 120 employees work in the 9,000 square meter office and production areas with a great deal of creativity and technical know-how to produce **innovative solutions** for a whole range of different sectors. We are **your partner** from design and project development, through manufacture, assembly, electrical wiring and programming up to commissioning and our comprehensive after-sales service.

The growing demand for an ever-increasing product variety in batch size 1, coupled with constantly growing requirements for increased automation, necessitate highly flexible solutions in cardboard packaging as well as in **transport goods securing** and **product protection**. Packaging processes individually tailored to the customer and the product are the focus of **Becker's packaging technology**. Every industry, irrespective of whether the focus is on wood-based materials, furniture, insulating materials or other materials, has its own requirements for **load securing** and product protection. At Becker, we find the right solution for you to ensure your products arrive safely at your customers' premises. An appropriate combination of strapping technology, stretch wrapping or hood stretching together with other types of **product protection**, including edge protection, protective plates, squared timber and other aids, forms a complete and **fully automated packaging solution**. This is combined with suitable conveying and feeding technology, robots, portals and complex control technology to offer you a coordinated concept from a single source.

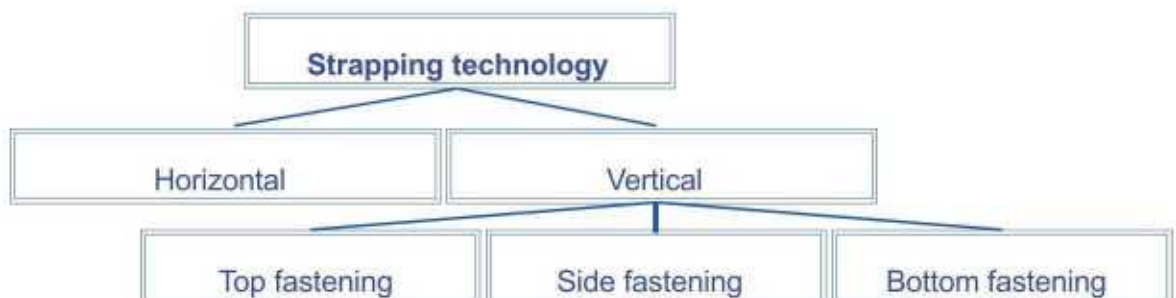


Example of a packaging machine for raw chipboard sheets

Strapping technology

As unique as your product

Becker's strapping technology is used for a variety of applications in many different sectors. When it comes to sealing boxes, bundling loose goods on appropriate transport pallets, securing goods suitably to provide **extra product protection**, or creating a straightforward carrying aid, the right strapping solution is as individual as your products and always consists of the right combination of strapping material and machine or plant technology. We analyze your requirements and present you with the best and most cost-effective solution in technical terms. As a system supplier for complete automation solutions, we develop overall concepts for you that always take into account the processes that precede and follow a strapping solution. Only by considering the entire process can an optimal solution for **securing the transported goods** be found.

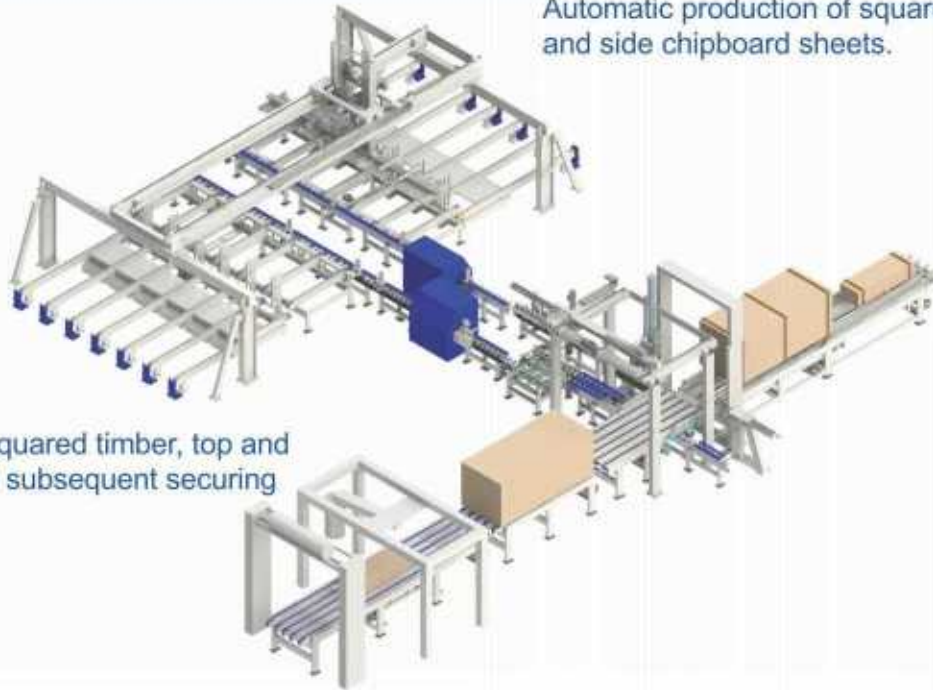


Project examples

Example of strapping technology

Automatic production of squared timber, top and side chipboard sheets.

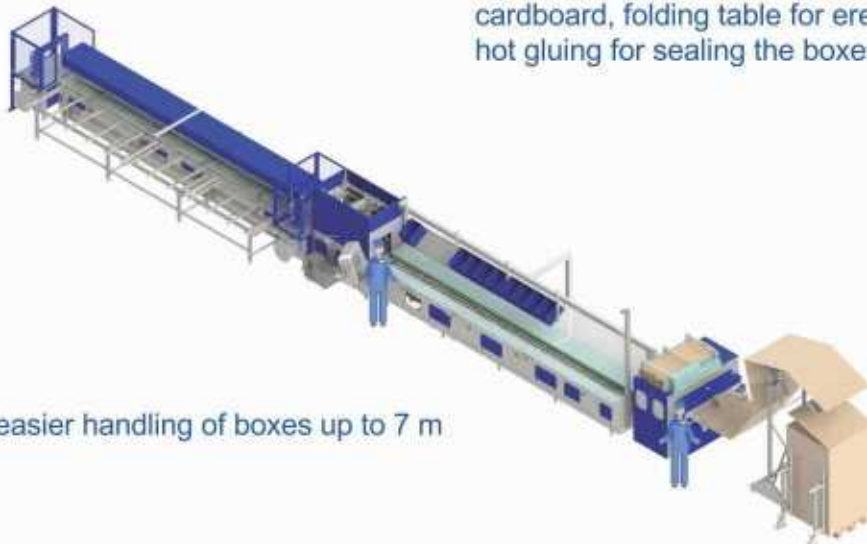
Positioning the squared timber, top and side boards, and subsequent securing with strapping.



Example of strapping technology

Packaging line for long goods with the ConSta die-cutter for fanfold corrugated cardboard, folding table for erecting, and hot gluing for sealing the boxes.

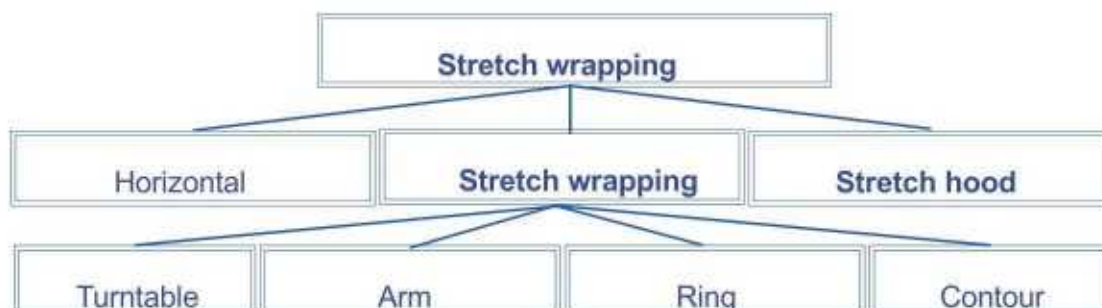
2 straps for easier handling of boxes up to 7 m long.



Stretch wrapping

Securing and protecting with film wrap

Some applications and products require the goods to be protected from external influences such as dust, dirt or moisture in addition to merely securing the goods for transportation. The right solution in this case is **stretch wrapping technology**. Depending on the product geometry, sensitivity and the required output, it is possible to use horizontal or stretch winders, stretch hoods or turntable, arm, ring or contour winders. Industry-specific requirements, internal processes or end customer requirements determine how the right **packaging solution** and transport securing are implemented. All these aspects are considered and evaluated with a view to finding an optimal solution. Combining this with intelligent automation technology from Becker, our specialists develop sustainable **packaging concepts**.



Project examples

Example of stretch wrapping

Stacking, rotating and erecting the formatted blocks

Cutting the blocks with wire.



Example of stretch wrapping



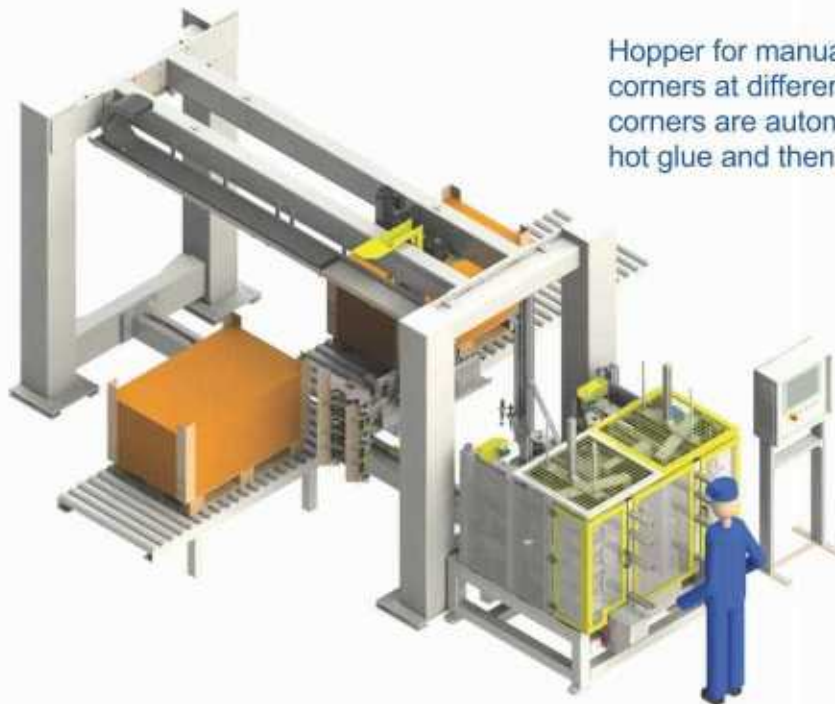
Product protection

Transport securing by strapping or stretching alone is often inadequate to meet the requirements and must therefore be supplemented by additional protective measures. Sensitive goods and surfaces, in particular, as well as outer packaging, often require special protection, whether during the actual securing of the goods to be transported or during the further shipment of the goods. This additional product protection can take the form of **edge protection, top boards or side boards**. Another possible solution is to put a squared timber in place underneath the product to **provide protection** and allow further transportation. All these ways to protect goods can be provided automatically and integrated into the packaging process. Manual tasks that used to be required in the packaging process are no longer necessary and make packaging more efficient.



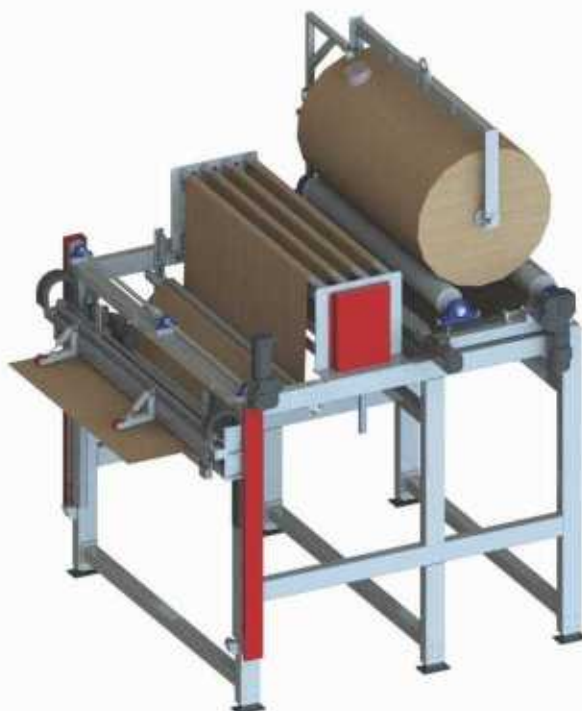
Project examples

Example of product protection



Hopper for manually filling protective corners at different heights. Protective corners are automatically spread with hot glue and then applied.

Example of product protection



Automatic cutting system for cutting a cardboard cover to size, e.g. for stacks of raw boards, from an endless cardboard roll.

The height of the cutting system is adjusted automatically. The stacks pass underneath the machine, and the cardboard cover is put in place as they pass.

Individual operating concepts

We set standards in the packaging sector



Constantly growing demands for increasing automation of plants, networking of many different plant components and customization of individual production steps, brought together under the term **Industry 4.0**, require corresponding **visualization** which, in addition to simple and clear operation, offers the plant operator the option of retrieving information or influencing functionalities at any time. Our customers appreciate Becker's operating concept standards, which have been optimized over many years, and the option of introducing their own individual wishes.

From the electrical design and switch cabinet construction to machine cabling and system programming, the **Becker Group** also offers everything in the field of electrical engineering from a single source. Thanks to our broad-based software department which is well-versed in both **PLC and NC-based control** with Siemens or Beckhoff, the customer decides what he gets from us.



Becker service

We ensure your machine is up and running

Our **professional service** stands for good accessibility, fast availability of personnel and spare parts, competent immediate assistance and efficient remote maintenance of complex machines and systems. High quality maintenance and inspections by our well-trained **service technicians** are just as much part and parcel of our offer as uncomplicated support with machine extensions and machine relocations.

You, too, can benefit from our **extensive range of services**. From spare parts supply to on-site service, and from our telephone hotline to online service, we are always there for you. We would be pleased to create an individual service concept for you.





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