Rely on your packaging
A close and intensive cooperation with our customers and suppliers is our foundation. We listen in order to put your ideas into practice. To be one step ahead and give you the professional solutions you require. Our success builds on customer satisfaction which can only be achieved through a mutually beneficial relationship. Our objective is to give customers optimal solutions related to their specific needs. Products that are second to none, built for long life and which perfectly suit your requirements.

Lachenmeier is synonymous to:

**Highly experienced company**
More than 35 years in the market has given us extensive experience of the end-of-line packaging industry and has positioned us as one of the world leaders in end-of-line pallet wrapping. The fact that we have sold more than 1000 machines speaks for itself.

**Tailor-made machines**
We interact with our customers with curiosity; we listen to them and respond to their expectations and needs. The machines are constructed on the basis of the information provided by the customer and on our thorough knowledge of the different segments.

**Professional service**
Before we leave your site, the machine has been tested thoroughly and your personnel have been trained to ease trouble-shooting. Our 24-hour customer service hot line provides fast, easy, reliable access to our most experienced support engineers. Customer needs are also met effectively and quickly by our after sales service department.

Lachenmeier – Listening, Learning, Lasting

www.lachenmeier.us
In 1982 Lachenmeier was the first company in the world to introduce the shrink wrapping principle, where hood application and shrinking take place in one unit. The Lachenmeier Combi Flex is a space-saving machine built in a modular unit design. The machine is the incorporation of both a hood-making device and a shrinking unit.

Prior to entering the Combi Flex, the height of the load is measured and the machine adjusts the length of the hood accordingly. Depending on the pallet dimension, the Combi Flex automatically selects from the different film roll sizes. Up to 8 different film sizes with automatic change is possible. The film hood is then blown up like a balloon and applied over the load safely and without getting in contact with the load. After application, the film hood is sucked underneath the lifted pallet, the bottom shrink starts, and the pallet is lowered onto the conveyor, thus preventing the building of half-moons at the bottom of the load. The shrink frame moves upwards while shrinking the film on the sides of the load and finishing at the top with the top shrinking. Load and pallet are now fixed in a stable unit effectively protected against dirt and water.

Due to the film hood being applied vertically from the top of the machine, we save film, as it is possible to reduce the film circumference and still guarantee a safe non-contact hood application.

The capacity of the Combi Flex is 100+ loads per hour.

Longer machine life
At Lachenmeier, we consider every aspect to ensure the optimum reliability, not only of the wrapped product but also the constructional reliability and consequently the machine lifetime. When Lachenmeier started producing packaging machines, the machines had a double chain system, but customers wanted a more stable machine, which is why Lachenmeier changed to the QCS System (Quatro Chain frame Suspension). The frame is suspended in chains in all four corners. The chains are connected by axles to ensure a synchronized lifting/lowering of the frame. This way, we have no unnecessary torque and only vertical forces appear in the machine frame. Even at a capacity of 100+ loads an hour, a machine that runs continuously all year round operates without noticeable vibrations and the final shrink result is better. This again extends the machine lifetime and improves the overall economics of the machine.

Glass bottles, Tires, Magazines, Insulation
Cutting edge technology
The shrink film packaging market has been substantially influenced by Lachenmeier through our continuous research and new developments brought to the market since 1969. Lachenmeier holds numerous patents that all contribute to reduced film costs, optimum load stability and superior branding of the products.

Lachenmeier shrink wrapping is known for:

Strength and cost saving
The QCS System (Quatro Chain frame Suspension) guarantees no unnecessary wear and tear on the frame, and with that a prolonged machine life. Our low consumption gas burners with the controlled heat distribution system allow for down-gauging in film thickness and cost saving.

High reliability
Provided by our burner system that ensures an even heat distribution to all four sides of the product independent of variations in load dimension, which is essential for a safe shrinking. Other built-in safety devices are the profile control, the gripper control as well as the film adjustment that prevents film displacement.

Simplicity
Characterized by our vacuum opening system and our simple and maintenance-friendly film feed device that provides easy replacement of film sealing and cutting unit.
Shrink safety

We do not compromise with safety. It is crucial that the shrink result achieved with a Lachenmeier burner system is the most economical and most reliable available. The Lachenmeier burner systems are provided with separate, automatic speed controlled blower motors, air/gas ratio controls, supervision, ignition system, etc. In case of variations in product dimensions, the heat distribution is adjusted automatically to each single product. As a consequence, all four sides of the product are exposed to the same temperature during the shrinking. Furthermore, a built-in flame monitoring device ensures that the gas supply to the burners stops if ignition fails in one of the burners. The machine consumes no gas when running idle, as the gas supply stops if the photocells are not triggered by the product. An insulated burner, enclosed burner with no visible flame, is standard allowing for remote on-line servicing, and unnecessary long distance movement.

Profile control - the process stops if the photocells are refracted during the downward movement.

Non-contact hood application

The film hood is fed from the top of the machine, blown up like a balloon and applied over the load safely and without touching the load. This method saves film as the direct vertical application makes it possible to reduce the film circumference.

Profile control - the process stops if the photocells are refracted during the downward movement.

Anti-lamination system

Anti-lamination is used for products already packed in plastic. In order to minimize lamination between the shrink film and the plastic on the products, the system prevents that the shrink film gets into contact with the film on the products until it is sufficiently cooled down. The shrinking process does not start unless a film-hood is placed correctly on the grippers. The shrinking process does not start unless a film-hood is placed correctly on the grippers.

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Excellent packaging economy

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Profile control - the process stops if the photocells are refracted during the downward movement.

Low consumption burner with a reduced gas consumption.

Enclosed burner with no visible flame. An insulated burner, which is not emitting much heat to the surroundings.

Possibility of data collection and modern connection for remote servicing of the machine.

Easy film change at floor level. The end of the old film is simply sealed, taped or stitched to the end of the spare film and automatically fed through the film feed system.

Profile control - the process stops if the photocells are refracted during the downward movement.

Specifications of the Lachenmeier burner systems:

- Air and gas supply stops when the burner system is switched off.
- Ignition and flame monitoring, no lamination between the two films.
- Easy film change at floor level. The end of the old film is simply sealed, taped or stitched to the end of the spare film and automatically fed through the film feed system.
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