> Packaging your ideas...

Packaging Chocolate

www.loeschpack.com
Your premium products benefit from flawless, efficient and sustainable packaging. LoeschPack offers innovative full-service system solutions to make this possible. Discover the opportunities and possibilities working with LoeschPack can offer for your value chain. When it comes to after-sales support, our unique service organisation supports you around the globe. We are part of the Piepenbrock Group, a company with a history going back over 100 years. As an owner-operated family business in its fourth generation, we have one clear vision – to boost our customers’ businesses. We see you as true partners and constantly strive to live up to your requirements. This is how new packaging ideas, experiences and suggestions are incorporated into the process of innovation, making the good even better. And that’s what we understand by “packaging your ideas”.

Olaf Piepenbrock
Chairman, Piepenbrock Group

Andreas Graf
Managing Director, LoeschPack

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LoeschPack is a technology and quality leader in packaging machines and complete systems for packaging chocolate, chewing gum, confectionery, dry baked goods, food and non-food products. In this tremendously dynamic industry, LoeschPack has stood for innovative, flexible and economic system design since 1919. And for comprehensive service, available around the globe. We offer comprehensive solutions for the entire life cycle of your machinery – from the idea to the engineering.
When it comes to packaging chocolate, LoeschPack has the specialist expertise which for almost 100 years has made the company a leading machinery engineer in the industry. Global players and medium-sized producers now put their trust in the packaging machines and system solutions from LoeschPack.

Fold wrapping, packing, loading, feeding and cartoning demand specialist knowledge. Our employees are specialists with deep understanding of the challenges they face in production operations. We understand our customers’ businesses – at all levels of the company, from management via the engineer to the skilled worker. We promote this full understanding of our work in a climate of personal responsibility. Flat, transparent hierarchies ensure an unbureaucratic atmosphere and quick decision-making. Integrated project management and the involvement of all involved areas of the business guarantee maximum transparency, quality and lean processes. You can trust our machinery and solutions in your value chain. We call this corporate excellence.

FACTS & FIGURES

> Founding year
1919 in Dresden

> Core expertise
Packaging machines and systems for the confectionery industry

> Headquarters
Altendorf in Upper Franconia

> Employees
ca. 27,000 Piepenbrock Group (2015)

> Other locations
USA, France, Ukraine, Russia, Thailand, over 50 sales and service partners worldwide

> International orientation
Export rate approx. 90%

> Certification
DIN EN ISO 9001:2008

> Membership
VDMA – Food Processing and Packaging Machinery
Added. Value.

Innovation, technology and quality

You’ve made the right choice in selecting packaging solutions from LoeschPack – guaranteed premium machinery quality “made in Germany” at Altendorf near Bamberg. Our highly skilled employees with many years of service in the company stand for technical excellence and maximum in-house vertical integration. As innovation leaders in the packaging industry, we always listen carefully to our customers, turning their many different packaging ideas into workable technical solutions. Clearly defined machine platforms with a wide range of standardised modules guarantee customers full compliance with their applications – with short project turnaround times. That’s what we understand by “packaging your ideas”. LoeschPack is flexible, manufactures quality products and stands out with maximum overall performance. As a customer of LoeschPack, you benefit from our unique pre-sales service in addition to our reliable after-sales service. Our customer care policy guarantees rapid response times in sales and services – anywhere in the world.

LoeschPack cuts production costs from the very start of developing your solution – allowing you to maintain control of all expenditure!
Cost. Advantage.
Keeping production costs down

The acquisition costs represent just a small part of production costs over the operating lives of the machinery – the tip of the iceberg. Maximum performance and ultimate efficiency result in lower production costs.

Packaging machines and systems from LoeschPack offer maximum quality, premium performance and ultimate efficiency. We solve packaging challenges and don’t just sell machines by price lists or discounts. The reliability of our packaging machines “made in Germany” means lower production costs in your process for entire useful life of the machinery. By choosing LoeschPack, you ensure that production costs are kept as low as possible.

Thanks to the premium overall performance of machinery and systems from LoeschPack, your up-front costs rapidly pay for themselves over the term.
Customers around the world value the expertise LoeschPack offers in solving highly complex challenges. We work with them to create not just innovative machinery but also entirely new approaches to packaging which open up new opportunities in presenting merchandise and considerably enhance product convenience. At the test center inaugurated directly adjacent to our production facilities in 2014, you can try out our machines and provide your staff with comprehensive training. We create samples and carry out test runs with original materials – also in customer formats. Using the data this generates, we analyse the cost-effectiveness and feasibility of your individual project. We also review any opportunities for improvement and make suggestions relating to the packaging design, for example in terms of opening methods, material combinations and machine utilisation.

LOESCHPACK TEST CENTER

> Development and testing of technical solutions
> Review machine utilisation for the product and packaging material
> Training for your staff
> Design of innovative packaging solutions
Sustainability occupies a key position across the Piepenbrock Group – naturally also at LoeschPack. The company underscores its commitment to the environment by using carbon-neutral packaging, positioning itself as a machinery engineering enterprise that champions sustainability. For some years, LoeschPack has enjoyed a first-mover advantage by offering carbon-neutral packaging machines. The company offsets emissions released during the value creation process through climate protection projects. This has been confirmed by official certification. In addition, the Piepenbrock Group has to date planted more than 37,000 trees in the company’s own woodlands in Rheinshagen, thereby guaranteeing carbon-neutral operation of the packaging machines at customers’ production facilities. In research and development, LoeschPack focuses on the systematic reduction of energy consumption and technical optimisation of packaging machinery for the use of bio-degradable films. The sustainability report published by the Piepenbrock Group provides detailed information on the topic of sustainability management at LoeschPack.
Value creation.

Chocolate

Processing

LoeschPack integrates the equipment upstream in the value chain with unique expertise in the downstream packaging machine and covers all interfaces.

Feeding and distribution

Feed systems transport the chocolate from upstream processing to the packaging machinery in a controlled manner. From there, the distribution system is responsible for transporting it on to the packaging machine. Various product storage systems can be easily integrated.

Two-stage primary packaging

In two-stage primary packaging, the chocolate products are packed in two packaging materials over two consecutive steps – either as monopacks or multipacks.

Single-stage primary packaging

In single-stage primary packaging, the chocolate products are packed in one or two packaging materials in a single operation – as monopacks.
At the final packaging stage, the packed chocolate products are prepared for dispatch using integrated downstream equipment, for example in shipping cartons or on pallets.

**Secondary packaging**
At the secondary packaging stage, the chocolate products in primary packaging are overwrapped in a second packaging material such as cellophane, PP or OPP film, cardboard label or paper wrap, either as monopacks or multipacks.

**Tertiary packaging**
Fully packed chocolate products are placed in open or closed folding cartons, trays or display cartons at the tertiary packaging stage. If required, filled cartons are sealed with cellophane.

**Final packaging**
At the final packaging stage, the packed chocolate products are prepared for dispatch using integrated downstream equipment, for example in shipping cartons or on pallets.
Every chocolate product requires the right feeding system. LoeschPack has the most important ones – the LOMATIC automatic feeding and distribution system for bars, the IR-2D two-axis transfer unit or the chicane conveyor for small-size chocolate productions, vibratory feeders for roll wrapping round chocolate pieces and feeding systems individually tailored to your application.

Transfer units pick mould contents fully or in part from counter moulds or plates. The chocolate products are fed into the packaging machines by mould or row. With the new LOMATIC, LoeschPack offers an excellent feeding and distribution system for higher performance ranges. The fully automated system can be integrated in the value chain following moulding and enrobing systems for the ordered feeding of packaging machines in rows. A comprehensive modular system enables the creation of ideally designed feeding systems precisely tailored to customer requirements. Any number of discharge stations, several standard belt widths, control equipment for metal content, quality and product flow, intermittent or continuous product transfer and the processing of complete mould contents with separation of rows for the discharge stations are just some examples. Optimum hygienic properties and maximum availability ensure economical operations. Prior to the discharge station, rows of products are synchronised and their correct positions are ensured.
LOMATIC

- Can be used for almost all chocolate products
- Standard belt width: 700 mm, 900 mm, 1,200 mm, 1,500 mm (Special width 500–1,500 mm in steps of 100 mm possible)
- Max. feed rate up to 160 rows/min

Efficient storage systems

Because no packaging system can achieve 100 percent efficiency, in-house storage systems are used to cushion production peaks or product overflows and maximise the overall line efficiency. Paternoster, belt and micro storage systems are used depending on the application. Gondola storage systems are also integrated within the machine concepts, also for direct feeding of the packaging machines.
Primary packaging – LTM-DUO.

Twin-station fold wrapping machine

Innovative, twin-station fold wrapping machine for chocolate bars

The LTM-DUO is the flexible twin-station machine for all types of fold wrapping packaging for chocolate bars. When it comes to design, hygiene, ergonomics and flexibility, this packaging machine sets new standards. The LTM-DUO offers high speed performance and can output up to 200 bars a minute. The innovative packaging machine is used for special wrapping style requirements, e.g. for hermetically sealed packages. In addition, the LTM-DUO is optimised for the use of bio-degradable packaging film. Customers value the efficient control equipment on the LTM-DUO, its rapid format changeovers, easy fault clearance and trouble-free maintenance. The clear structural separation of the drive and packaging area guarantees particularly high hygienic standards. The quality of all components and outstanding accessibility by means of doors reduce the time and money required for maintenance and repairs. Feeding on servo belts is exceptionally gentle on the products.

FACTS & FIGURES

> High performance for up to 200 bars a minute, with maximum efficiency
> Ultimate overall performance in twin-station fold wrapping
> Ultimate product protection and maximum performance
> Use of bio-degradable packaging film possible
LTM-DUO

Top hygienic standards and particularly fast, easy cleaning; maximum format flexibility and quick, simple changeovers; a modular system for small and big application and performances; can be used for almost all chocolate products.
Primary packaging – LRM.
Single-station fold wrapping machine

Fold wrapping machine for chocolate bars and tablets
The LRM from LoeschPack is an excellent, compact fold wrapping machine for high speed performance of up to 350 packs a minute. The machine is mainly used in the confectionery industry and wraps enrobed and moulded chocolate bars and tablets, small tablets and Napolitains, wafers and other similar products in one wrapping.

Excellent value for money
Maximum format and pack style flexibility
Wide size range
Extremely gentle product handling
Primary packaging – LRM-S.
Single-station fold wrapping machine

High performance fold wrapping machine for chocolate bars and tablets
The LRM-S is the excellent, compact fold wrapping machine for a performance range of up to 600 packs a minute. The machine is mainly used in the confectionery industry and wraps enrobed and moulded chocolate bars and tablets, small tablets and Napolitains, wafers and other similar products in one wrapping. In production, the LRM series has proven successful in combination with LoeschPack LTM-K-SA for multipacks.
Primary packaging – LRM/2-S.

Single-station fold wrapping machine

Twin-lane fold wrapping machine for chocolate bars and tablets

The LRM/2-S from LoeschPack is an excellent, compact fold wrapping machine for performance of up to 1,150 packs a minute. The machine is mainly used in the confectionery industry and wraps enrobed and moulded chocolate bars and tablets, small tablets and Napolitains, wafers and other similar products in one wrapping.
Innovative high performance packaging machine for roll wrapping

The RPM-S from LoeschPack is a completely new, modular and modern roll wrapping system with particularly product-friendly loading mechanisms such as the newly developed vibratory feeder and the RPM-S core machine. The packaging system guarantees hermetically sealed roll wrapping at the highest speeds for round products with up to 400 rolls/min. The modular design enables particularly easy format changeovers.
Wrapping
LoeschPack

Maximum efficiency and stability of operation thanks to self-regulating control architecture and intelligent sealing technology

Ideal system ergonomics thanks to outstanding accessibility and toolless belt change

Maximum availability thanks to extremely short format changeovers in under 15 minutes and minimised start-up issues
Integrated flow wrapping system solution

LoeschPack F-Series packages your chocolate, chewing gum or dry baked good with the ultimate in performance and maximum availability. Depending on the application and size range, the high performance flow wrapping platform can output up to 1,500 products a minute; both heat and cold sealing film can be used in the process. Extremely short format changeover times of under 15 minutes within one size range and precisely reproducible settings guarantee stable machine operation after only a very short time. Particularly with frequent format changes, the reduced start-up issue equates to huge performance increases in the machinery.

The smart sensor system, innovative control architecture and self-regulating sealing technology are all genuine highlights: the self-regulating control architecture allows for automatic parameter changes during operation – from the electronically controlled product feeder to product discharge. This ensures that the machine’s output is less dependent on fluctuating factors such as temperature or product characteristics. Largely self-regulating sealing technology means fewer rejects when changing speed, stopping and starting.

The F-Series is thus the ideal system component in line combination with upstream and downstream equipment from LoeschPack, including easy interface integration with buffer systems, feeder modules, secondary packaging and final packaging.
Secondary packaging – LTM-K-SA.

Fold wrapping machine

Fold wrapping machine for multipacks in cardboard labels

The LTM-K-SA is the flexible fold wrapping machine for wrapping piece-goods in multipacks at high speeds of up to 150 packs a minute. The machine is primarily used in the confectionery and food industries. Chocolate bars, tablets and similar products of cuboid shape are grouped in cardboard labels.
Secondary packaging – LTM-K.

Fold wrapping machine

Fold wrapping machine for pre-packaged chocolate bars in cardboard labels

The LTM-K is the flexible fold wrapping machine for wrapping piece-goods in multipacks at high speeds of up to 170 packs a minute. The machine is primarily used in the confectionery and food industries. Chocolate bars, tablets and similar products of cuboid shape are grouped in cardboard labels.
Fold wrapping machine for cellophane sealing of multipacks

The LCM is the excellent cellophane wrapping machine for band and full wrapping at high speeds of up to 150 packs a minute with LCM or up to 300 packs/min. with LCM-S. The fold wrapping machine is used for the primary packaging of confectionery and dry baked goods, food and non-food articles as well as for the secondary packing of boxes, trays, blocks or other round or rectangular shaped types of packing goods.
Secondary packaging – LRM-DUO.

Twin-station fold wrapping machine

Automatic twin station high performance fold wrapping machine for chocolate multipacks

Target applications are smaller multipacks for small chocolate products such as Napolitains or bars. The pre-grouped products are first packed in diverse cardboard box multipacks and then wrapped in tightly sealed cellophane. The LRM-DUO is the flexible, twin station fold wrapping machine at high speeds of up to 200 multipacks per minute.

Display cartoning machine

Modular wrap-around display cartoner in maximum performance range

The WKM-2 is a highly flexible, compact and powerful display cartoning machine for speeds of up to 65 cartons a minute. The machine is used in the confectionery and food industries for the erection and filling of open display cartons with various compressed products such as roll or stick wrapped goods in a range of different pack formations. The machine platform’s excellent flexibility also enables the implementation of other applications.
Modular robotic cartoning system for top loading applications

The LRK is the flexible, high-performance, modular system for erecting, filling and closing display folding boxes at high speeds of up to 80 display cartons a minute. The system is used for applications that require high flexibility and precision in pre-grouping products in display folding boxes. Folding boxes are erected from flat blanks and filled with accumulable and non-accumulable products in the desired pack formation.

Tertiary packaging – LRK.
Top loading robotic cartoning system

Custom system configuration for top loading

Very high availability and reliability, especially for line operation

Modular and compact design
When it comes to packaging chocolate, LoeschPack offers innovative end-to-end system solutions with its packaging machines and systems. Whether it’s feeding, distributing, storing or primary, secondary or tertiary packaging that customers require, LoeschPack’s products represent reliable system solutions along the entire value chain from an experienced partner. We take our bearings from your specific requirements. Let’s make the best even better and work together in “Packaging your ideas...”.

**YOUR BENEFITS**

- Modular system concepts from a single source
- Custom solutions with expert systems engineering
- Interface integration across the entire packaging system
- Fine-tuned system concepts with maximum efficiency
- A single contact for your entire system
- Service over the entire life cycle of your system
- Highest possible OEE (Overall Equipment Effectiveness)
LoeschPack offers creative freedom to design pack styles. Your chocolate packaged in aluminium, paper or cardboard, hermetically sealed or wrapped for ultimate convenience – almost any kind of packaging can be produced – from the primary packaging all the way to the sales tray. Together with you, LoeschPack develops the right packaging for your product and guarantees the best packaging design and the highest quality. The packaging machines and systems from LoeschPack handle your chocolate in a gentle manner in one or several steps. Products are packaged using envelope, band, cube wrap etc. They are wrapped as required in one, two or three packaging materials, also including additional materials such as reinforcement cardboard or inserts. The LoeschPack machine range covers all commercial formats; beyond this, niche solutions are also no problem. Be inspired by our packaging specialists...

SPECIAL PACK STYLES.
Anything is possible. Give free creative rein to your ideas.

> Packaging your ideas...

Pack styles

CHOCOLATE TABLETS.
e.g. tablets or tablets with added ingredients. Inner wrap of tightly sealed aluminium, OPP or bio-polymer film. Outer wrap in cardboard label with tear perforation.

CHOCOLATE TABLETS.
Small format up to 300g, inner wrap of tightly sealed aluminium, OPP or bio-polymer film. Outer wrap in paper label or envelope wrap.

CHOCOLATE PIECES.
e.g. as bars. Pieces on U-shaped cardboard, inner wrap aluminium envelope, outer wrap cardboard label.

SPECIAL PACK STYLES.
Anything is possible. Give free creative rein to your ideas.
PACKAGING YOUR IDEAS...

Pack styles

FLOWPACK.
Various packaging styles with cold or hot sealable film possible.

BARS AND NAPOLITAINS.
One or two packaging materials possible. Full wrap of square or semicircular bars with bottom wrap. Optionally glued, sealed, open.

CHOCOLATE PIECES.
One or two packaging materials. Covering folds, hermetically sealed pack – fin seal.

CHOCOLATE TABLETS.
Inner wrap aluminium foil envelope wrap, outer wrap carton label with tuck-in flaps.

CHOCOLATE TABLETS.
Inner wrap flow pack (pre-packed). Outer wrap cardboard envelope label, side tabs tucked in.

DISPLAY CARTON.
Small chocolate products in open sales tray. Various pack formations.

DISPLAY CARTON.
Top loading robotic cartoning of diverse products in display cartons. With or without attached lid.

DISPLAY CARTON.
Folding box display for chocolate bars with attached lid. Flat blank, lid with front tab, glued.

MIXED PACKS.
Mixed packs of one or more rows. Hollow edge box with affixed lid, reinforcement cardboard and separators.

CARTON MULTIPACK.
Several chocolate bars. Upright pack, opening perforation for the lid.

SPECIAL PACK STYLES.
e.g. chocolate cream or coffee in single-serve packs. Trays of one or more rows.

MULTIPACKS.
Several chocolate bars. Full wrap in PP film with tear tape. Longitudinal seam and end fold sealed, with tear thread.
After sales.

Always there for you with “five”!

Your new machine from LoeschPack increases the efficiency of your production facilities. LoeschPack ensures that this doesn’t change. Around the world, around the clock. Our service organisation and our “five” service program means we are nearby, wherever you are. You can reach us 24 hours a day on our international hotline. Our service is organised in regional service centres. Wherever you are – we’ll be with you right away.

The one who remains flexible wins. With upgrades from LoeschPack, your flexibility is ensured. Whether it’s a glue head, printer, sensor or modified software for different pack formations, you can smartly add to and expand your machines and systems over many years. Complete format conversions for new pack styles and products are even possible. The project workflow – regardless of whether it’s shipping of a spare part or a custom development – is also precisely documented. All items and prices are listed in detail and explained. This gives you a constant and full overview of orders, invoices and services. And full cost control.

LoeschPack ensures that you are happy with your system, now and in the future. Our guarantee backs up this claim. Free repairs and machine parts are naturally included if you make a claim – in original quality only: we never supply cheap imitations. We guarantee the availability of original parts for at least ten years. Even after this time, however, we ensure that parts remain available. And then? No problem: with LoeschPack, you can extend your general guarantee agreement for a full year at a time. This means not only reliability on the technical level but also the ability to calculate costs precisely for many years ahead. And because we take care to conserve natural resources in all areas of our company – in production just as much as in service – you can rely on a sustainable solution in the truest sense of the word.

“You can trust in our service – anywhere in the world!”

Helmut Gillner, Service Manager
1. Pre-sales service
2. Installation and commissioning
3. Production operations
4. Upgrade and efficiency
5. Service organization and guarantee
Sales.

Headquarters, Subsidiary and Agency

Packaging solutions from a single source:

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Chocolate.
packaged