

The world is full of opportunities.
It's time to address them!



THEEGARTEN^{PAC}_{TEC}
smarter packaging



at left: Markus Rustler, Managing Partner
at right: Dr. Egbert Röhm, Managing Director

Let's address the opportunities! The exploitation of innovative packaging technologies represents one of the most strategically efficient value creation potentials of our times. It provides an invaluable opportunity to enhance your company's productivity by way of intelligent process optimisation and first-class German engineering skills. Within this context, the name of Theegarten-Pactec stands for complex and proven solution capabilities in the field of packaging technology. Today, we are not only the innovation and technology leader in wrapping small-sized confectionery articles, but also the valued turnkey-partner for complete packaging production lines – for example individual packaging systems consisting of feeder

and storage components. And not only that: As an independent and globally active company with an export share of around 90 percent and representatives in more than 100 countries worldwide, we are committed to the traditional values of a firmly established family enterprise. This in turn provides the basis for our uncompromising attitude towards quality, service life, extreme efficiency and flexibility – just as you would expect from a passionately dedicated machine manufacturer. Discover how Theegarten-Pactec's innovative momentum can enhance your success, irrespective of whether you are a regional producer or a global player – in the confectionery, food or non-food business.



CLIMATE NEUTRAL
COMPANY
certified by Fokus Zukunft
climate neutral via offsetting

Courage and inventiveness are the pillars of our success story.

1934



19 October 1934 – the beginning of a fascinating success story
Justus Theegarten and his son, Franz, are the founders of the family enterprise in Cologne. During the economic recovery following the great inflation, they make a success of producing and selling Rose Forgrove machines under licence. Synergies and strong growth develop from the friendship that had existed between the Rose and Theegarten families since the twenties.

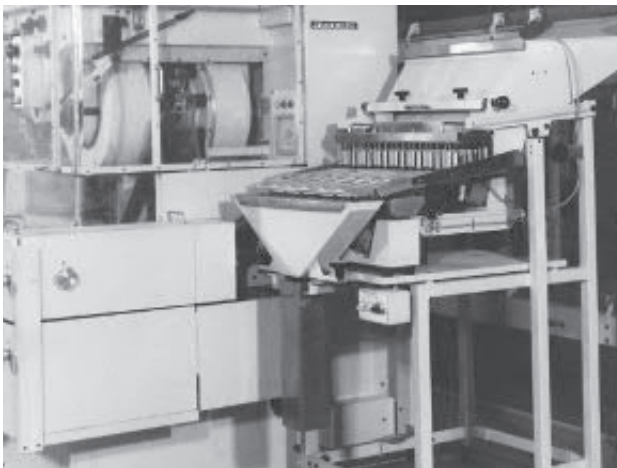
1934 – 1958

October 1944 Destruction of the company premises in Cologne.

1948 The first post-war packaging machines go into operation.

1950 Purposeful development of own machine types in addition to the production and sale of Rose packaging machines. In early 1950, Franz Theegarten was already able to present the Olympia A 1 with a significantly upgraded capacity of 300 candy wrappings per minute.

1958 The first Interpack was held in Düsseldorf on the site of today's Ehrenhof and Kunstpalast buildings and in those times of economic recovery, it soon became a successful trade fair specialising in the booming sector of packaging machines.



1981

The development of the continuous working principle

In 1981, VEB Verpackungsmaschinenbau introduced the world's first nearly fully-automatic machine generation, known as EK1. Its integrated control and supervision technology enabled the operation of an integrated packaging production line, for example four EK1 machines with a storage and distribution system that could easily wrap 5,000 hard caramels per minute – a sensation!

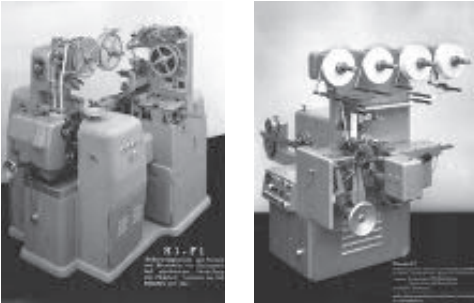
1981 – 1994

1982 – 1985 A new factory in Cologne responds to growing internationalisation. Christa Rustler-Theegarten and Erhard Rustler had made early progress in developing the company into an open-minded and flexible machine manufacturer.

1991 Nagema becomes a stock company and the packaging machine spin-off is renamed Pactec GmbH.

1991 – 1994 As a result of major social and economic changes, Gerd Schwarze the managing director of the well-equipped Pactec showpiece-factory started to search seriously for a new, robust future perspective for the globally successful company. Following initial exploratory talks, the Rustlers soon discovered the extent of the potential in Dresden. Constructive discussions followed and mutual trust developed into future plans.

1960



1960 – the high-performance machines from Cologne capture the international markets.

The legendary Olympia H1 caramel-form and fold-wrapping machine came onto the market in 1960. With 1,300 candies per minute at a mechanical performance level of 650 cycles per minute, it became a bestseller. Subsequent milestones in 1969 were the newly-developed U1 and the A3 universal packaging machine for hard-boiled candies, which were able to address new markets and applications.



1994

8 December 1994 – the birth of Theegarten-Pactec

Constructive negotiations led to completion of the purchase contract with the trust agency for the privatisation of East German enterprises. Initial scepticism soon gave way to the realisation that the new Theegarten-Pactec would unite valuable synergies in a newly-bundled array of solutions with extensive future potential.

And today?

Nine decades after Rose-Theegarten commenced business, the company with around 400 employees is more successful than ever and extremely well-positioned for tomorrow's challenges.

1962 – 1970

1962 The inauguration at Breitscheidstrasse in Dresden positioned the new VEB Schokopack factory as the centre of packaging machine building in the GDR. This concentration made sense because since 1820, Dresden had evolved to the absolute centrepiece of the confectionery industry, and many companies rich in this tradition were located there.

In 1970, all machine-building companies were centralised in the Nagemas state combine, in which significant people's enterprises were pooled.



2014 – 2020

Completion of the company's new buildings

3 July 2015 Festive inauguration of the complex, now situated on the 60,000 square meter factory site.

2020 BLM and CHS

First display cartoner from Theegarten-Pactec and flexible high-performance machine for up to 1,800 wrapped chocolate products per minute, adjustable to 9 different wrapping styles.

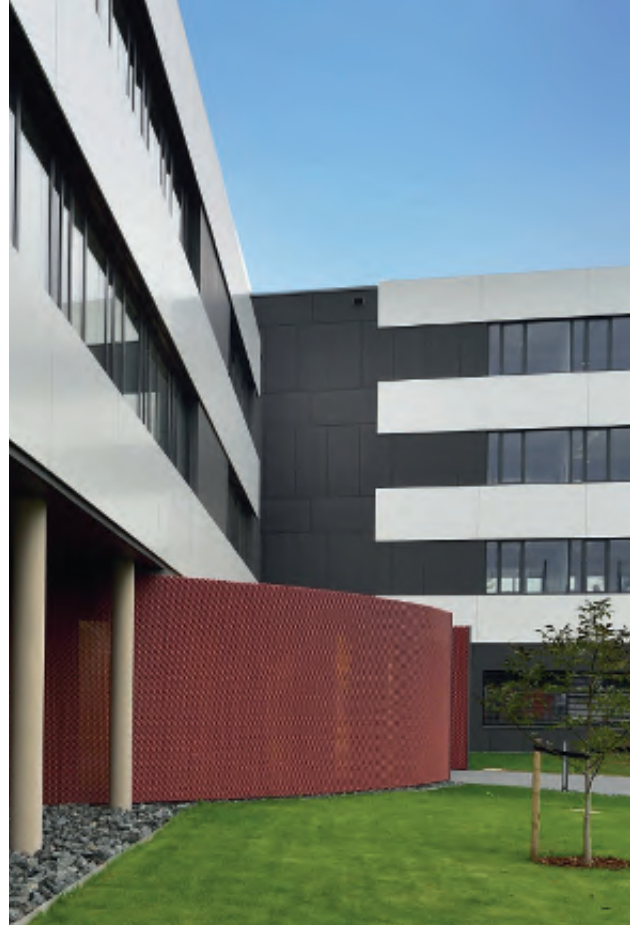
Ideas for the future require an open mind.



At 70%, the high level of in-house fabrication of mechanical components of a packaging machine enables us to react promptly to such requirements as the rapid production of replacement parts or the adaptation of parts during the assembly of new machines.



The innovative rebuilding of the long-established head office in Dresden led to the creation of 50 new workplaces. The factory site has expanded to 60,000 sq.m.





Process-optimised and energy-efficient work areas as well as better assembly conditions for complex production lines represent a milestone in 90 years of company history.

With its new production and office complex, Theegarten-Pactec laid the foundation stone for its future and impressively expanding its development potential. All operational functions and processes had been analysed and optimised in line with future objectives. Modern working environments, perfectly aligned to requirements, were established on 5,500 sq.m. of office space. A further 15,500 sq.m. of fully crane-equipped assembly and production halls were erected and an ultra-modern canteen including a terrace was set up. Another novelty: A highly automated small-parts store automatically retrieves parts from the depths of the warehouse.

The investment of over 30 mill. Euros provides a substantial growth impulse to the Dresden region and a clear signal to our customers. In line with the demand for small production runs on complete production lines, the new facilities allow a fundamentally new and extremely flexible working process. The new environment also provides shorter production routes, maximum product protection, highest production precision as well as an optimised workflow without administrative overheads. In other words: Maximum development power!

Necessity is the mother of invention.



As a family enterprise rich in tradition, Theegarten-Pactec combines long-established know-how with exciting perspectives and innovative ideas. We stand together for performance, passion, team spirit and mutual trust – plus the goal of repeatedly raising standards, both today and in the future. Our up-and-coming talent, our dedicated employees and motivated senior staff are continuously researching and working on tomorrow's packaging solutions.





As innovation and technology leader in the packaging sector for small-sized confectionery, we invest a substantial proportion of our energy and commitment in research and development. We investigate how the newest technologies and innovative materials can combine to produce resource-saving, high-performance machines – for example with an enhanced packaging capacity and a smaller space requirement, or with fully automatic integration in the manufacturing process. The result: Increasingly efficient machines and therefore a quicker return on investment.

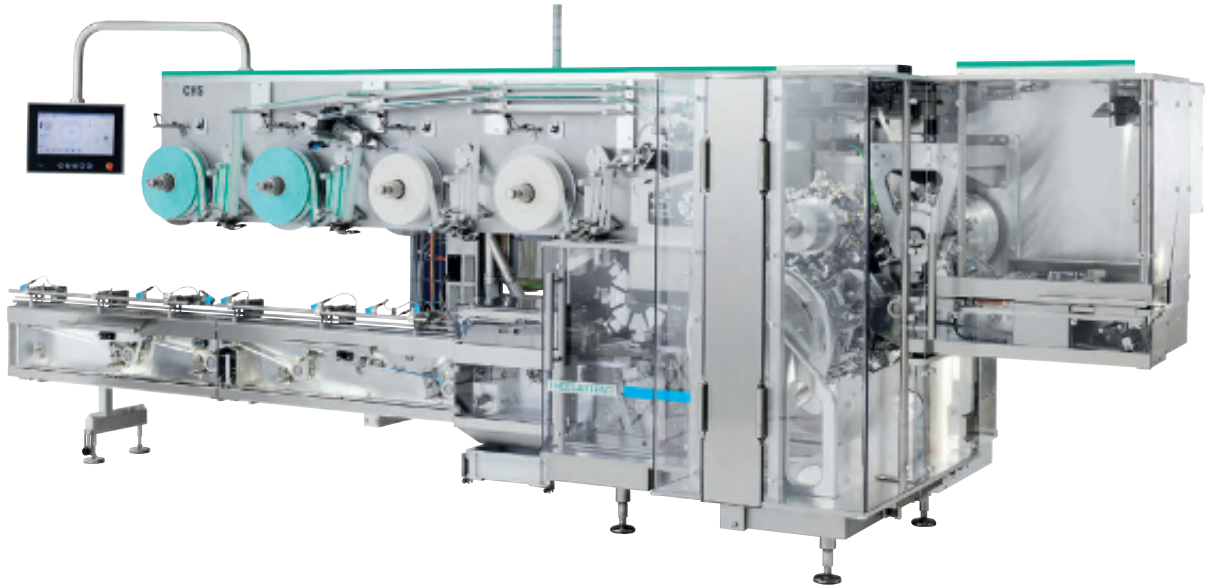
In view of the persistent trend to shorter product lifecycles and the increasing seasonality of production, Theegarten-Pactec – as an experienced systems supplier – is able to support manufacturers in developing increasingly flexible machines in terms of the shapes and sizes of the products to be packaged and the various folding-forms. In terms of Industry 4.0, we also see the digitisation and crosslinking of the value chain as a significant component for the purposeful advancement of our systems.

Welcome to efficiency!

Theegarten-Pactec – your ideal packaging partner: Our machines open up an impressive spectrum of packaging types with maximum format flexibility. Whether a global player or a mid-sized producer, we can offer you the perfect solution for your requirements. What is your next product for wrapping?

Bars, candies, toffees, hard-boiled sweets, chewing gum, jellies or other food and non-food articles: All our machines stand for innovative and future-assured German engineering skills, excellent production quality and exceptional service life and reliability. In other words, for a quick capitalisation of investments.

Wrapping solutions for chocolate products.



Are you looking for compelling, high-performance wrapping solutions for moulded or coated chocolate products ranging from mini-candies to 100 g chocolate bars? Depending on the folding type, you will find our machines with capacities of up to 1,800 products/min convincing – despite their high speed of operation, they ensure delicate handling of premium chocolate varieties as well as sensitive products such as jellies, soufflés or biscuits.

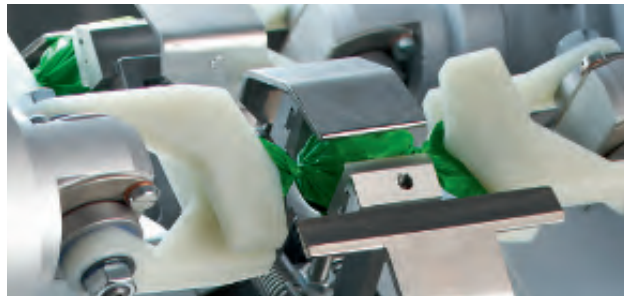


CHS

Theeergarten-Pactec CHS:
An impressive example of high performance and flexibility in perfect harmony.

This machine offers nine different folding types that can quickly be varied at any time, without affecting the high-performance packaging process.

Packaging solutions for hard-boiled candies and preformed products.

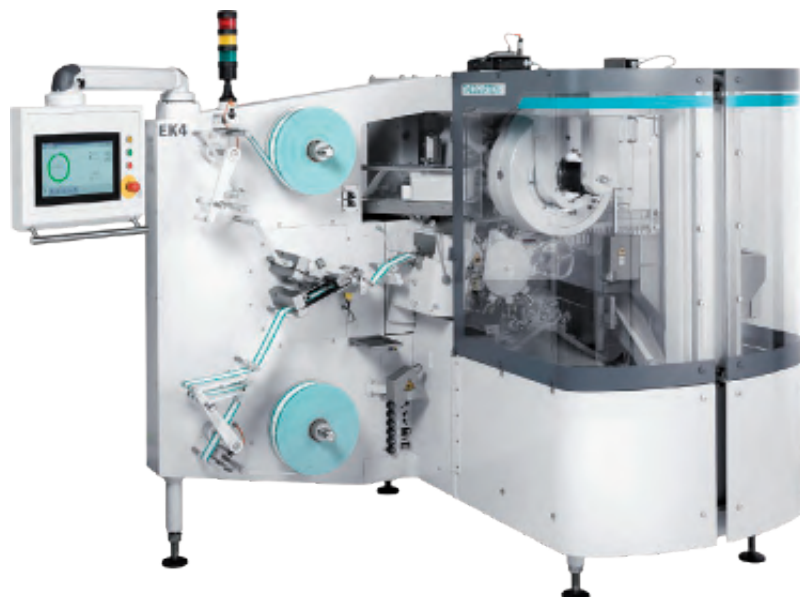


Are you looking for the ideal packaging machine for unfilled or filled hard-boiled candies, or sensitive products such as jelly, eclairs or chocolate eggs? Then you should talk to us! Our machines are able to wrap large production quantities speedily and delicately, generally processing all products suitable for individual handling via a rotation disc. And they are of course flexible and easily convertible to various folding types and product forms.

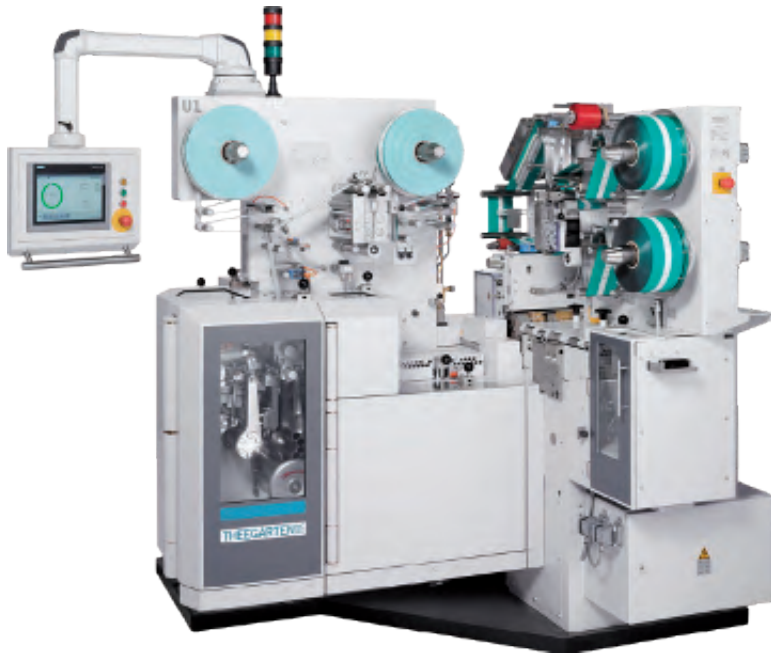
EK4

At 2,300 pcs./min., this is the world's fastest packaging machine for preformed products with double-twist wrap.

The continuous working principle developed in Dresden forms the basis for the immense output quantities. Theegarten-Pactec is the leader in this know-how – not just in applications for hard-boiled candies, but also for all other confectioneries such as chewing gum, chocolate, jellies etc.



Forming, cutting and wrapping solutions for hard and soft caramels, toffees, chewing candies, chewing gum/bubble-gum products.

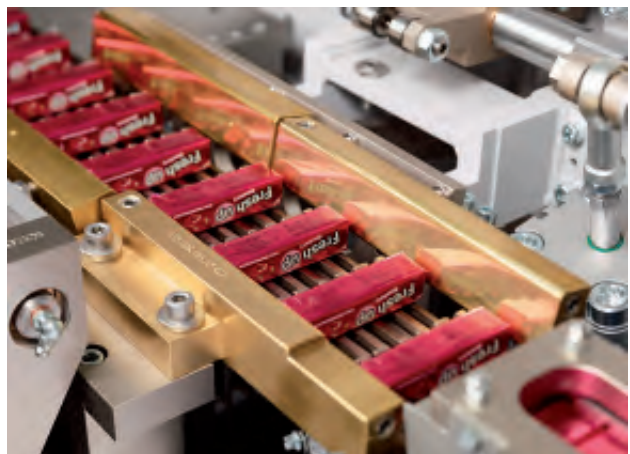


U1-DCW+F3

High-performance technology guaranteed to fit your requirements.

And that doesn't apply just to the primary wrappings. Combined with our multiple-packaging machines, we can also package the pre-wrapped confectioneries in secondary packs – speedily and reliably.

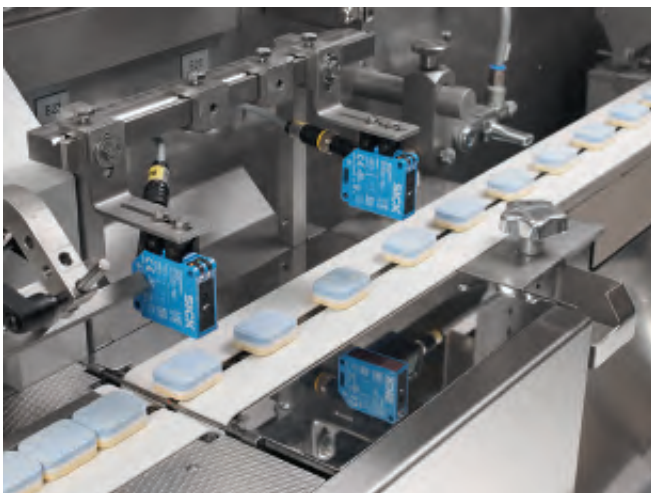
If you wish to wrap soft masses or crystalline products that harden after cutting, we have the optimal machine for all products processed in the form of a continuous feed from extruders or batch rollers. Various folding types can of course be applied and flexibly switched over. It is no problem for us to cut off individual products from a continuous feed and primary-package them within an output range around 2,000 pcs./min.



Packaging solutions for other food / non-food products and cartoning systems



As an experienced technology driver and world market leader in wrappings for small-sized confectionery, we have been able to successfully extend our solution capabilities, gained over eight decades, to other food and non-food segments, thereby setting standards in these areas with the compelling quality, efficiency and service life of Theegarten-Pactec machines.

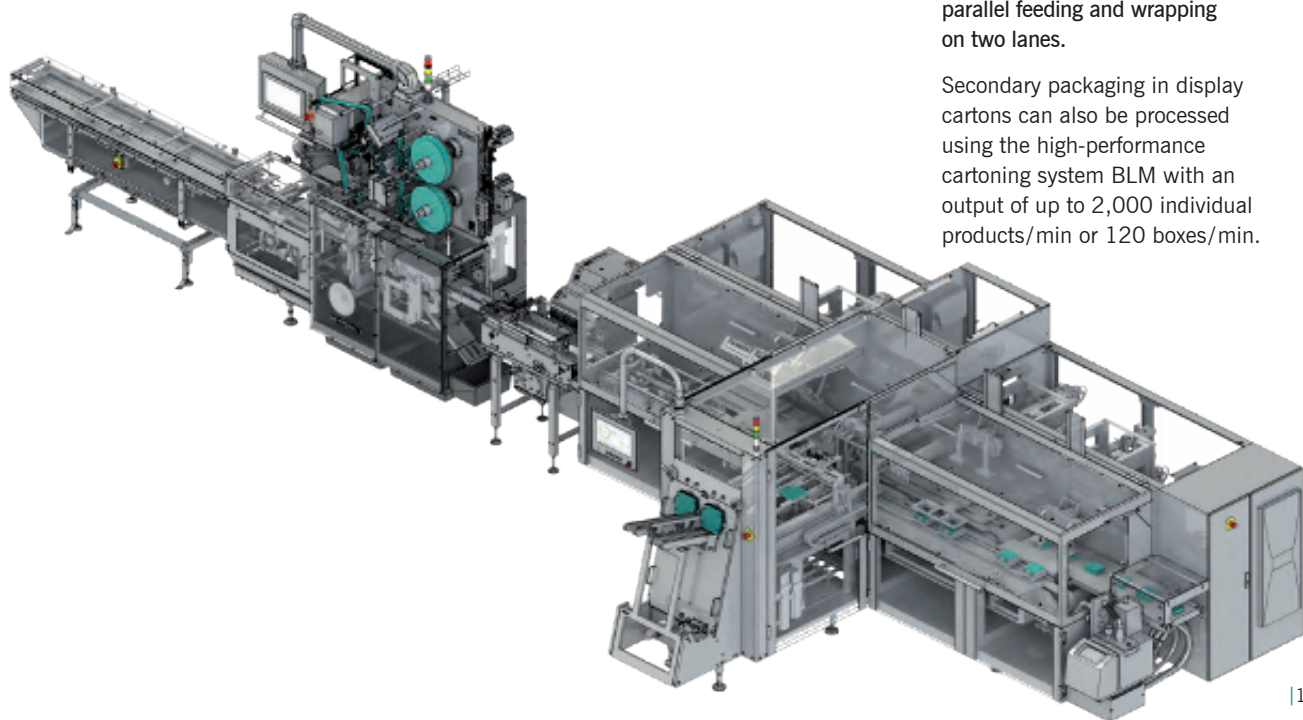


Benefit from our long-standing expertise and place your trust in our intelligent packaging machines! For example, for decades we have been the main supplier of packaging machines for stock cubes. We also regularly deliver machines for dishwasher tabs or food supplements. In other words: If your product fits into our machine formats, we would be pleased to develop machines tailored to your specifications.

BCW3 + BLM

Whether stock cubes or preformed tablets:
The BCW3 can process large quantities effortlessly with parallel feeding and wrapping on two lanes.

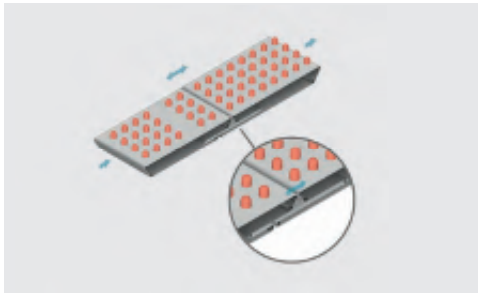
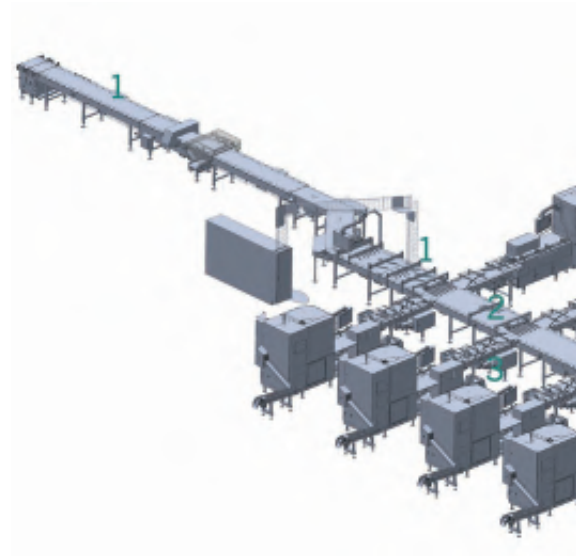
Secondary packaging in display cartons can also be processed using the high-performance cartoning system BLM with an output of up to 2,000 individual products/min or 120 boxes/min.





Our expertise also encompasses complex system solutions.

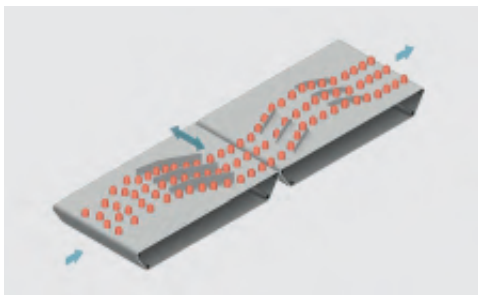
Efficiency demands a perfect interplay throughout the packaging workflow. In other words: Proven know-how for holistic process solutions, which produces individually customisable, synergetic solutions for primary packaging by combining our high-performing packaging machines with different feed and storage components. We manage the entire allocation process to your advantage, working together closely with market leaders in other areas such as process technology and secondary packaging to achieve fully automated integration into the process chain – thus providing you with reliable, single-source solutions.



1. We bring everything into line.

Wherever and however your products come out of the production process, our customised components assure a fully automatic link-up, if necessary with newly developed, project-specific applications.

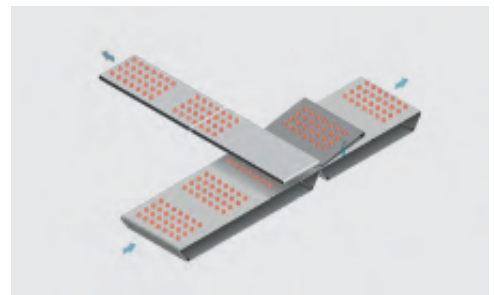
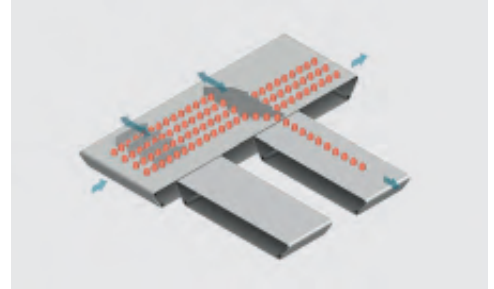
Our systems connect seamlessly to the production line and configure the product flow as required. Merging or dividing the flow, faster or slower – no problem. Discuss your requirements and wishes with us, and we will find the solution.



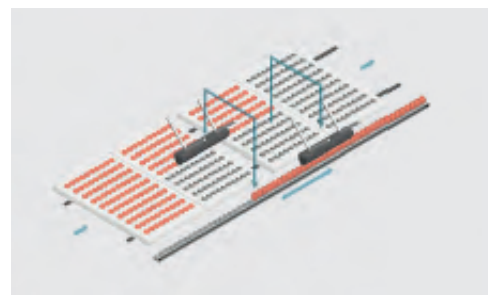
1 | above:
Example of transferring an irregular or discontinuous product feed into a continuous product feed optimised for the packaging system.

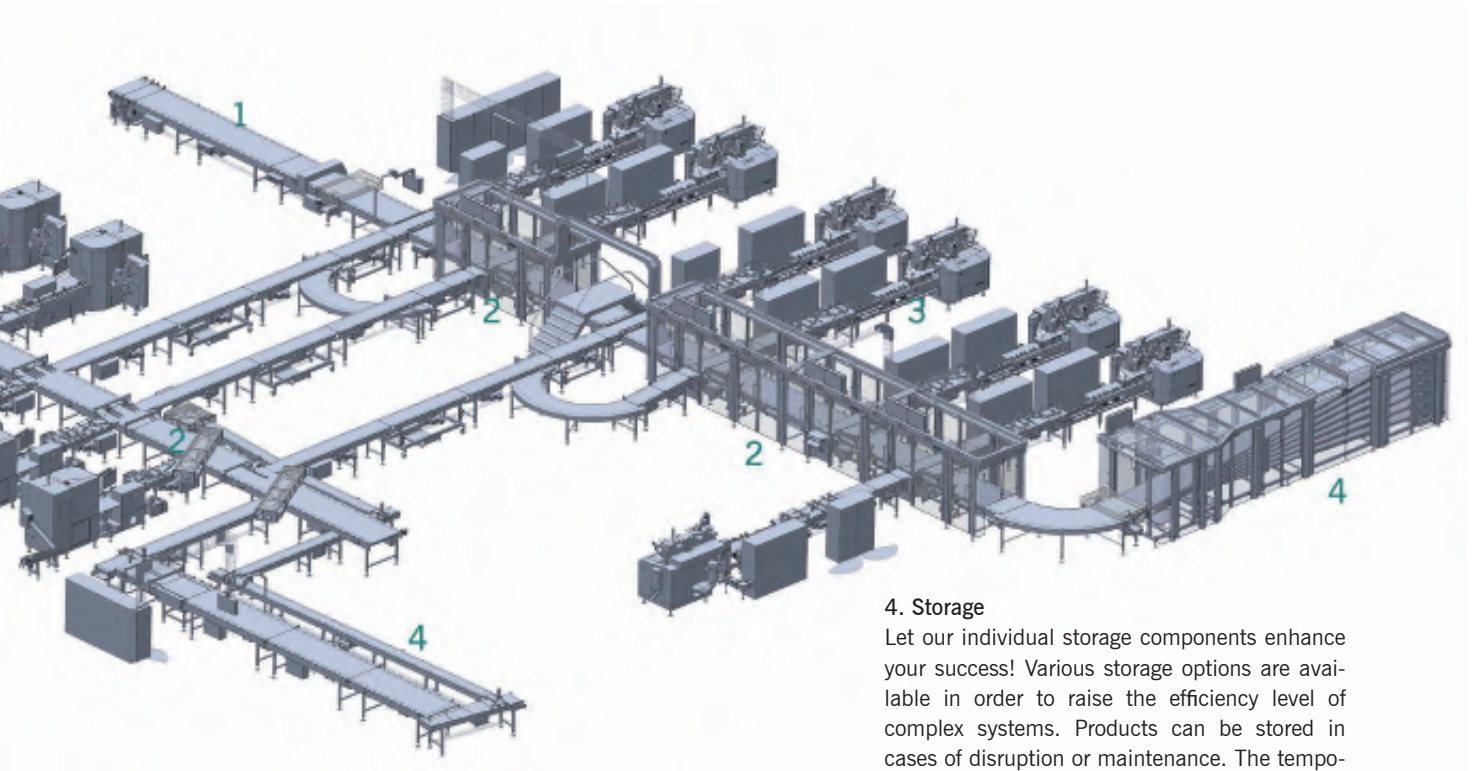
2. Sharing out

Suitable components are always available in our modular system. Product blocks, rows or even single products can be fed to the packaging machine - depending on requirements.



2 | at right
Example of redirecting product feeds to packaging machines via deflectors, discharge stations for complete product blocks, or pick-and-place systems for individual products.



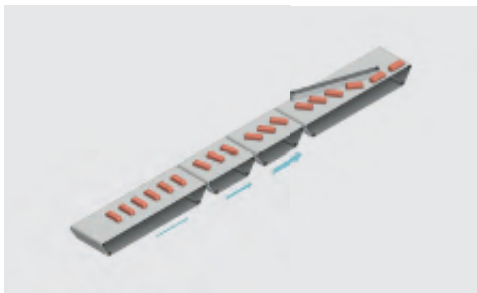
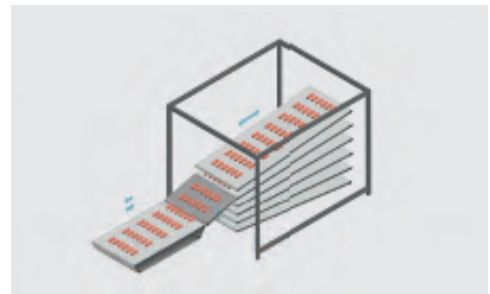


4. Storage

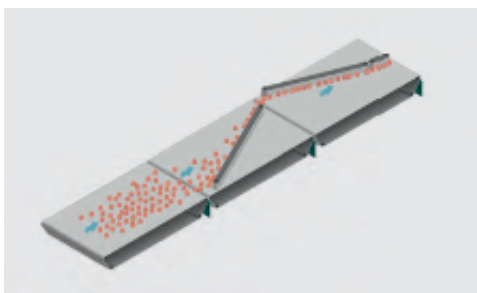
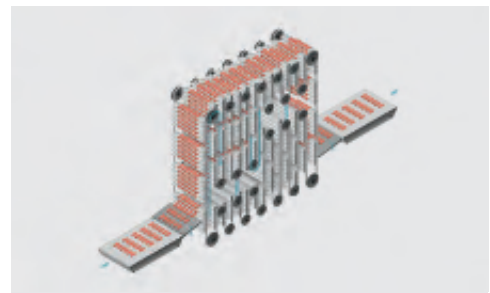
Let our individual storage components enhance your success! Various storage options are available in order to raise the efficiency level of complex systems. Products can be stored in cases of disruption or maintenance. The temporarily stored products are subsequently called up again for wrapping.

3. Feeds

Our range of feed systems satisfies all possible demand profiles. We ensure a continuous flow of products right up to the packaging machines at all times. Products can be turned, knocked over, stood up again, moved together and then separated again, accelerated or slowed down – whatever is necessary in your particular case. If necessary, we can even slip them contact-free into the packaging process.



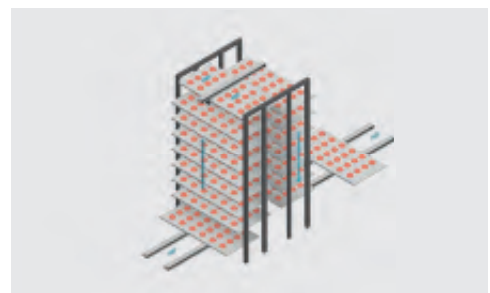
3 | at left:
Examples of unifying the product flow and positioning the products as required.



4 | at right:
Storing products on several levels.

Gondola storage.

Storing products using counter-forms.



We're there when you need us.

Theegarten-Pactec machines have enjoyed a first-class reputation for decades. They are extremely reliable, with long service lives, and each one has been constructed with minimum maintenance in mind. They are user-friendly and designed for maximum safety. The machine display notifies errors immediately and supports identifying and rectifying them.

Our service offer lasts a lifetime.

Take our word for it: Our service team is available around the clock should a problem arise. In fact, our service technicians are available worldwide in case you need help. And our spare parts service even provides parts for machines that have been doing their job for 50 years. What's more, highly relevant and personalised training sessions for engineers and operators ensure that people and machines interact harmoniously. Furthermore, our specialists are happy to upgrade our machines when they need to be converted to another product format or folding type.

There isn't a world of difference between us.

A Theegarten-Pactec machine often has a very long journey from its production site to its operational location. But that isn't a problem, as the following example illustrates: In 2010, three U1+F1 machines, originally built in 1980, needed a general overhaul. Following a successful 30-year working stopover in Spain and France, they returned to Dresden, only to be sent off again directly after their retrofit to a brand new factory belonging to a well-known confectionery producer in China. The next journey is planned for 2040.



Wrapping up success stories throughout the world.

Are you looking for a cost-efficient, resource-saving and intelligent packaging solution that fits perfectly to your requirements? Then you can profit from our longstanding expertise and ingenuity! You can depend on our high-performance packaging machines! Whether individual machines or fully automatic packaging systems – Theegarten-Pactec's future-assured engineering will be convincing.



| above:
Chocolate, flow pack, Cadbury, India



| at right:
Chocolate, envelope fold, Storck, Germany
Stock cubes, fold wrap, Nestlé, Ghana
Cocoa powder, fold wrap, Nestlé, Nigeria



| above:
Chocolate, bunch, Storck, Germany
Chocolate, top twist, Mieszko, Poland



| at right:
Chocolate, bunch, Konti, Ukraine
Hard-boiled candies, flow pack, Mondelez, Canada
Hard-boiled candies, side twist, Trefin, Belgium
Chocolate, double twist, Halba, Switzerland





| at left:
Stock cubes, fold wrap and display carton, Ghana



| at right:
Chocolate, flow pack, Orkla, Russia
Chocolate, bunch, Hershey, USA
Hard-boiled candies, double twist, Ricola, Switzerland



| above:
Chocolate, flow pack, Cadbury, India
Dishwasher tabs, flow pack, Dalli, Netherlands
Lollies, flow pack, Storck, Germany

| at right:
Soft caramel, double twist, Haribo, Germany
Soft caramel, stick pack, Morinaga, Japan

| below:
Jellies, double twist, KDV, Russia
Chocolate, silver paper, Madelaine, USA
Hard-boiled candies, stick pack, Hsu Fu Chi, China



| at right:
Soft caramel, side fold, Hilal, Pakistan
Soft caramel, Vienna fruit fold, Asov, Russia
Soft caramel, lolly, Central Sweets, Malaysia

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