

Your reliable partner.

For horizontal flow wrapping machines



Welcome to Syntegon Technology.

Syntegon Technology is your reliable partner for process and packaging technology in the global food and pharmaceutical industries. Whether you are an aspiring start-up or a global market leader, we offer intelligent and sustainable solutions for everyone. Individual machines, systems or services – as a full-service provider, we take responsibility right up to fully integrated end-to-end solutions.

Fields of application in the food industry are primary and secondary packaging of dry, liquid and frozen food as well as process technology for the production of confectionery. In the pharmaceutical industry, we offer solutions for the production, processing, filling, inspection and packaging of liquid and solid active ingredients in all common packaging

materials. We are at your side from project planning, development and implementation to comprehensive digitization, qualification and validation services. In addition, you always have access to our worldwide network of service specialists who support you throughout the entire machine life cycle.



Your reliable partner.

Always at your side

Pack style consultancy – tailored to your product

You are planning to introduce a new packaging style for your product and are looking for support with planning and implementation? We will be happy to advise you, either directly on site or at our testing center. Please let us know your requirements, and we will select suitable system components for you.

Flow wraps.

Economical and safe packaging

Visually appealing, cost-efficient and extremely flexible: Flow wraps are the all-round solution for the packaging of food products and other piece goods. Both classical and modern designs are available, and the variety of packaging options is almost limitless. Choose your optimal sealing technology – for high-quality packaging combined with efficient production processes.

Your partner

You need a tailor-made, all-round solution for your packaging? Syntegon is your partner of choice. With over 100 years experience and over 4000 horizontal flow wrapping machines delivered to customers all over the world, our know-how is second to none. We will give you comprehensive advice on film materials, various sealing technologies and packaging design. Our expertise will be invaluable for the flexible, high quality and economical packaging of your products.

The choice is yours!

Our portfolio includes various types of horizontal flow wrapping machines as well as fully automated, seamlessly integrated systems with output capacities of up to

1500 packages per minute. Our systems are suitable for a variety of products, including chocolate, cookies, crackers and baked goods, bars as well as frozen food and other solid goods such as detergent tabs. They also can be used for the packaging of pharmaceutical products such as BFS cards or tablets in blister packs.

Horizontal flow wrapping machines

They are the key components of your packaging system. Thanks to high availability and process safety, our horizontal flow wrapping machines achieve an exceptional OEE.



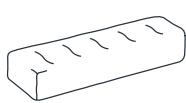
YOUR BENEFITS

- ▣ Robust systems with modular design
- ▣ Optimal system integration
- ▣ Fast format changes
- ▣ Gentle product handling
- ▣ Reduced downtimes for cleaning and maintenance
- ▣ Uniform, simple operator interface
- ▣ Optimal accessibility and hygienic design
- ▣ Strict separation of product and packaging material handling

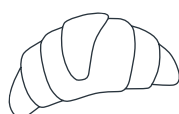
INDUSTRIES



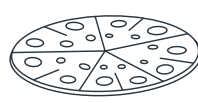
Cookie, Cracker &
Biscuit



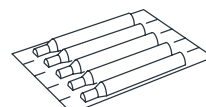
Chocolate &
Bar



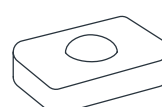
Bakery



Fresh &
Frozen Food



Medical Devices &
Pharma

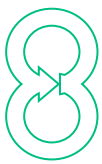


Special
applications

Sealing technologies.

It's all about choosing the right one

Only the perfect combination of temperature, pressure, sealing time and film type will produce the desired result. Depending on your preferred packaging style, we will develop the ideal solution for your product. On request, our test laboratory in Beringen, Switzerland, will carry out extensive tests before you decide on the sealing process you want. Our experts look forward to working with you!



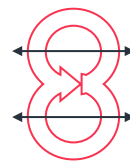
Rotary, cold

Rotary sealing means that the sealing jaws are rotating synchronously towards each other. When the jaws connect, the lacquered film is compressed and cut along the cross seam. Rotary sealing is particularly suitable for temperature-sensitive products and high output.



Rotary, hot

In rotary heat sealing, the sealing jaws are heated. When the sealing jaws meet, the inner film coating melts so that the film is sealed.



AHS-Sealing, hot

The principle of Amplified Heat Sealing is based on two sealing shafts synchronously rotating towards each other. The structure of the cross-sealing unit moves alongside the film. This results in a dwell time up to four times longer than normal rotary sealing while operating at the same speed.



LongDwell, hot

In the LongDwell procedure, the sealing jaws run alongside the film. This results in a dwell time up to 40 times longer compared to rotary sealing. This system is particularly suitable for the production of hermetically sealed packages.



LongDwell, Ultrasonic

LongDwell sealing is also available with ultrasound technology. Using this technology, the product is not affected by heat as this is only generated inside the film. The sealing jaws remain cold.

Overview of machine portfolio.

Visually appealing, cost-efficient, and extremely flexible: flow wraps are the all-round solution for packaging food products as the variety of packaging options is almost limitless.

Sigpack Hxx



Sigpack Hxx horizontal flow wrappers are designed for full system integration with high speed and high OEE.

Pack Series



Pack Series is a highly modular series of horizontal flow wrappers and feeders meeting the needs of mid range performance.



Sigpack HRM

Robust steel frame servo-machine for multi-shift operation with high modularity; strict division between product/ packaging material handling and drive elements; permanent lubrication.

Maximum Performance



Sealing Technology

Rotary, cold



Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 25 to 180 mm |
| Product width: | 10 to 90 mm |
| Product height: | to 50 mm |

Products

Bars, chocolate, wafers, mini chocolate bars

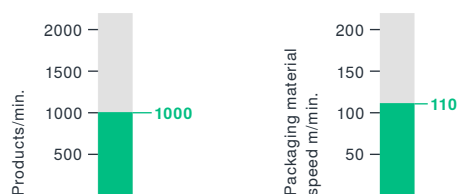
Pack Styles



Sigpack HCM

Robust steel frame servo-machine for multi-shift operation with high modularity; strict division between product/ packaging material handling and drive elements.

Maximum Performance



Sealing Technology

Rotary, cold / hot



Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 50 to 500 mm |
| Product width: | 10 to 335 mm |
| Product height: | to 130 mm |

Products

Bars, biscuits, trays, multipacks, carton packages, wafers, sandwich biscuits, cupcakes, tabs

Pack Styles





Sigpack HCS

Robust steel frame servo-machine for multi-shift operation with high modularity; strict division between product/packaging material handling and drive elements; permanent lubrication.

Maximum Performance



Sealing Technology

Rotary, hot



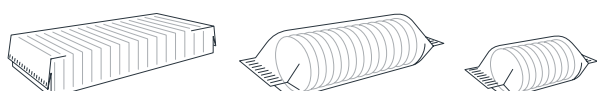
Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 50 to 270 mm |
| Product width: | to 185 mm |
| Product height: | 25 to 80 mm |

Products

Biscuits, cookies, wafers, sandwich biscuits

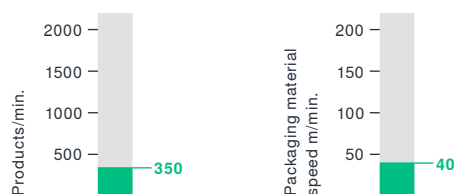
Pack Styles



Sigpack HML

Low-performance packaging machine for hermetically sealed packages

Maximum Performance



Sealing Technology

LongDwell, hot;
LongDwell, Ultrasonic



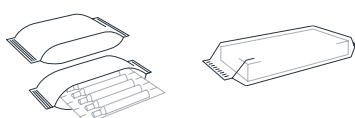
Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 40 to 250 mm |
| Product width: | 15 to 90 mm |
| Product height: | 50 to 65 mm |

Products

Biscuits, trays, BFS cards, hermetically sealed packages

Pack Styles





Sigpack HBM

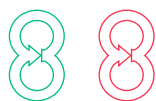
Robust servo-machine, suitable for multi-shift operation. Its high modularity guarantees optimal system integration. Strict division of product/packaging material handling and drive elements.

Maximum Performance



Sealing Technology

Rotary, cold / hot



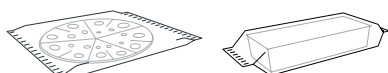
Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 50 to 500 mm |
| Product width: | to 300 mm |
| Product height: | to 80 mm |

Products

Frozen food

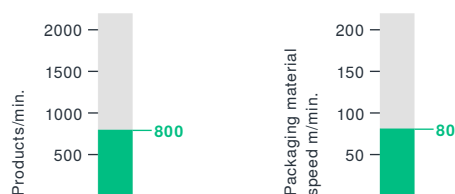
Pack Styles



Pack 403 HE

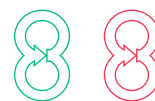
The Pack 403 HE is a fully-automated horizontal flow wrapper which is specifically designed for harsh environment use.

Maximum Performance



Sealing Technology

Rotary, cold / hot



Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 40 to 565 mm |
| Product width: | 12 to 120 mm |
| Product height: | 6 to 90 mm |

Products

Fresh and frozen foods, medical devices

Pack Styles





Pack 403

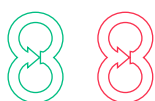
Best-in-class, robust and user-focused machine for high-speed applications, like bars and cookies/crackers. Ideal for full automation and system integration. Ready for Industry 4.0 applications. Features HMI 4.0.

Maximum Performance



Sealing Technology

Rotary, cold / hot



Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 40 to 565 mm |
| Product width: | 12 to 120 mm |
| Product height: | 6 to 90 mm |

Products

Non-food and food items: bars, bakery goods, chocolate, cookies, crackers

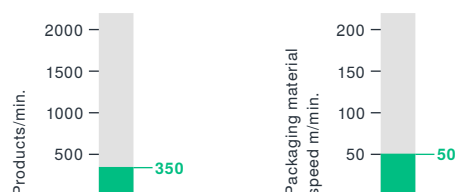
Pack Styles



Pack 202

Ideal for multi-product applications, the Pack 202 can wrap individual or grouped products for food and non-food items.

Maximum Performance



Sealing Technology

Rotary, cold / hot



Product Dimensions

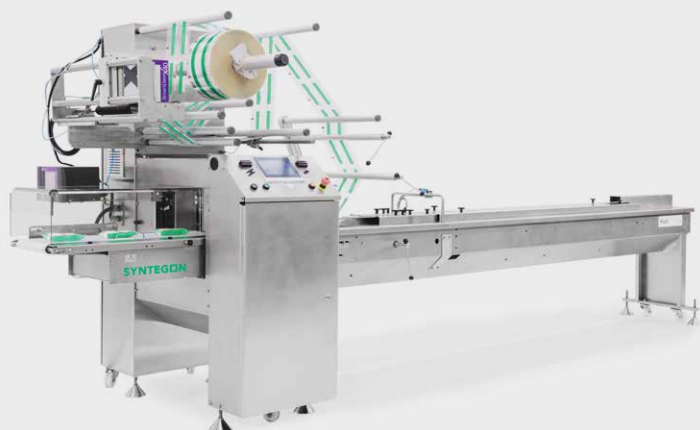
| | |
|-----------------|--------------|
| Product length: | 40 to 565 mm |
| Product width: | 12 to 250 mm |
| Product height: | 6 to 110 mm |

Products

Bakery, bars, trays, fresh and frozen products, confectionary, snacks, non-food

Pack Styles





Pack 102

The Pack 102 is an entry-level packaging machine that produces flow wraps with a flexible material supplied in roll stock format.

Maximum Performance



Sealing Technology

Rotary, cold / hot



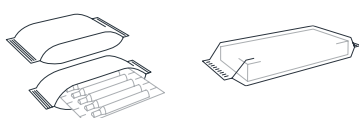
Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 76 to 457 mm |
| Product width: | 12 to 250 mm |
| Product height: | 6 to 110 mm |

Products

Food, non-food, medical

Pack Styles



Pack 301 LD

The Pack 301 LD horizontal flow wrapper is equipped with a long dwell sealing head to produce hermetically sealed packages that provide optimal product protection and longer shelf life.

Maximum Performance



Sealing Technology

Rotary, cold / hot



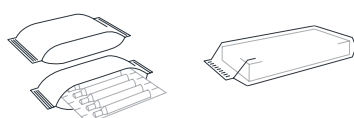
Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 40 to 565 mm |
| Product width: | 12 to 220 mm |
| Product height: | 6 to 110 mm |

Products

Fresh, perishable goods as well as products packaged in thicker film, like most medical goods

Pack Styles

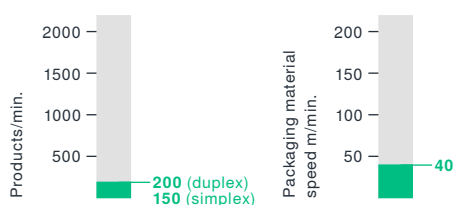




Pack 301 LS

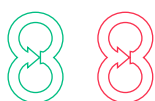
The Pack 301 LS mid-range automation solution addresses exactly those variables combined with premium product quality.

Maximum Performance



Sealing Technology

Rotary, cold / hot



Product Dimensions

Product length: 60 to 240 mm simplex; 60 to 160 mm duplex

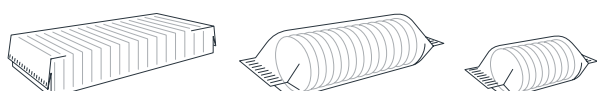
Product width: 35 to 75 mm

Product height: 35 to 75 mm

Products

Round, rectangular, square and sandwich biscuits

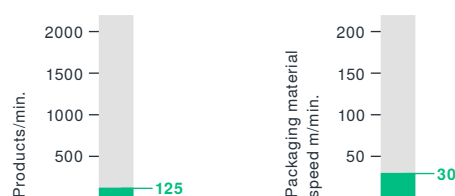
Pack Styles



Pack 301 ID

The Pack 301 ID combines the two proven technologies behind Syntegon's inverted and long dwell flow wrappers to create one machine capable of gentle product handling and hermetically sealed seams.

Maximum Performance



Sealing Technology

Rotary, cold / hot



Product Dimensions

Product length: 40 to 565 mm

Product width: 12 to 220 mm

Product height: 10 to 110 mm

Products

Bakery, bars, trays, fresh and frozen products, confectionary, snacks, non-food

Pack Styles

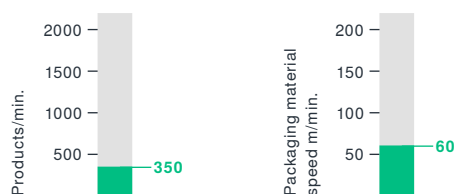




Pack 301 IN

As an inverted flow wrapper, the Pack 301 IN gently transports products by carrying it on top of the film from the former through the cutting head minimizing jams and ensuring superior package appearance.

Maximum Performance



Sealing Technology

Rotary, cold / hot



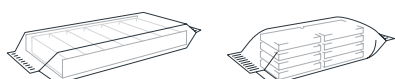
Product Dimensions

| | |
|-----------------|--------------|
| Product length: | 60 to 565 mm |
| Product width: | 12 to 250 mm |
| Product height: | 6 to 110 mm |

Products

Soft or sticky products, multipacks

Pack Styles



Pack 301 SK

Poly and Shrink Film Rotary Head Horizontal Wrapper

Maximum Performance



Sealing Technology

Rotary, hot



Product Dimensions

| | |
|-----------------|---------------|
| Product length: | 115 to 565 mm |
| Product width: | 75 to 250 mm |
| Product height: | 115 mm |

Products

Pizzas, taco shells, overwrap of cartons, paper products

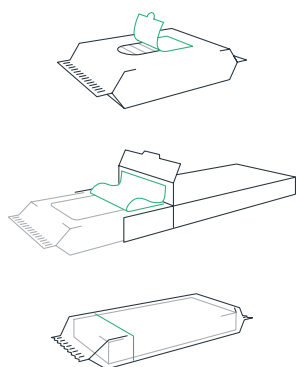
Pack Styles



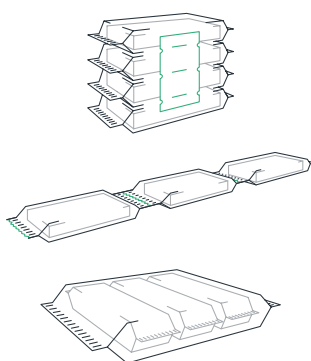
One packaging style – many versions.

Whether crackers, cookies, or granola bars, products require an attractive and user-friendly presentation. The packaging materials and package design must be ideally matched. A large number of designs are possible, depending on requirements – from simple flow wraps, to hermetically sealed packs for special products or climate zones, to flow wraps with Euro holes that can be hung on racks, and many other options.

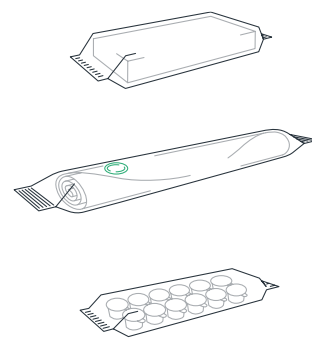
Packs with opening aids



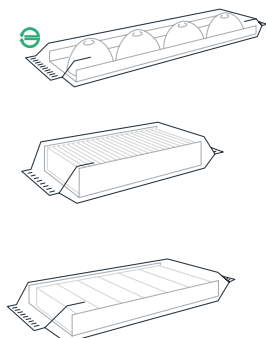
Multi packs



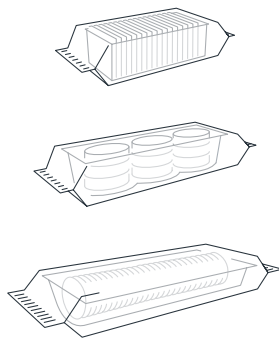
Hermetically sealed packs



Flow wraps with carton tray



Trays in flow wraps – on edge or stacked



Fin end options

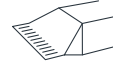
Gusseted with longitudinal grooving



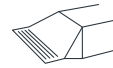
Gusseted with cross grooving



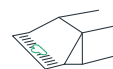
Not gusseted with longitudinal grooving



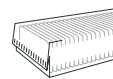
Not gusseted with cross grooving



Not gusseted with eurohole



Folded and sealed fin ends



Maximum flexibility of packaging format, product arrangement, and quantity – whether on edge or stacked.

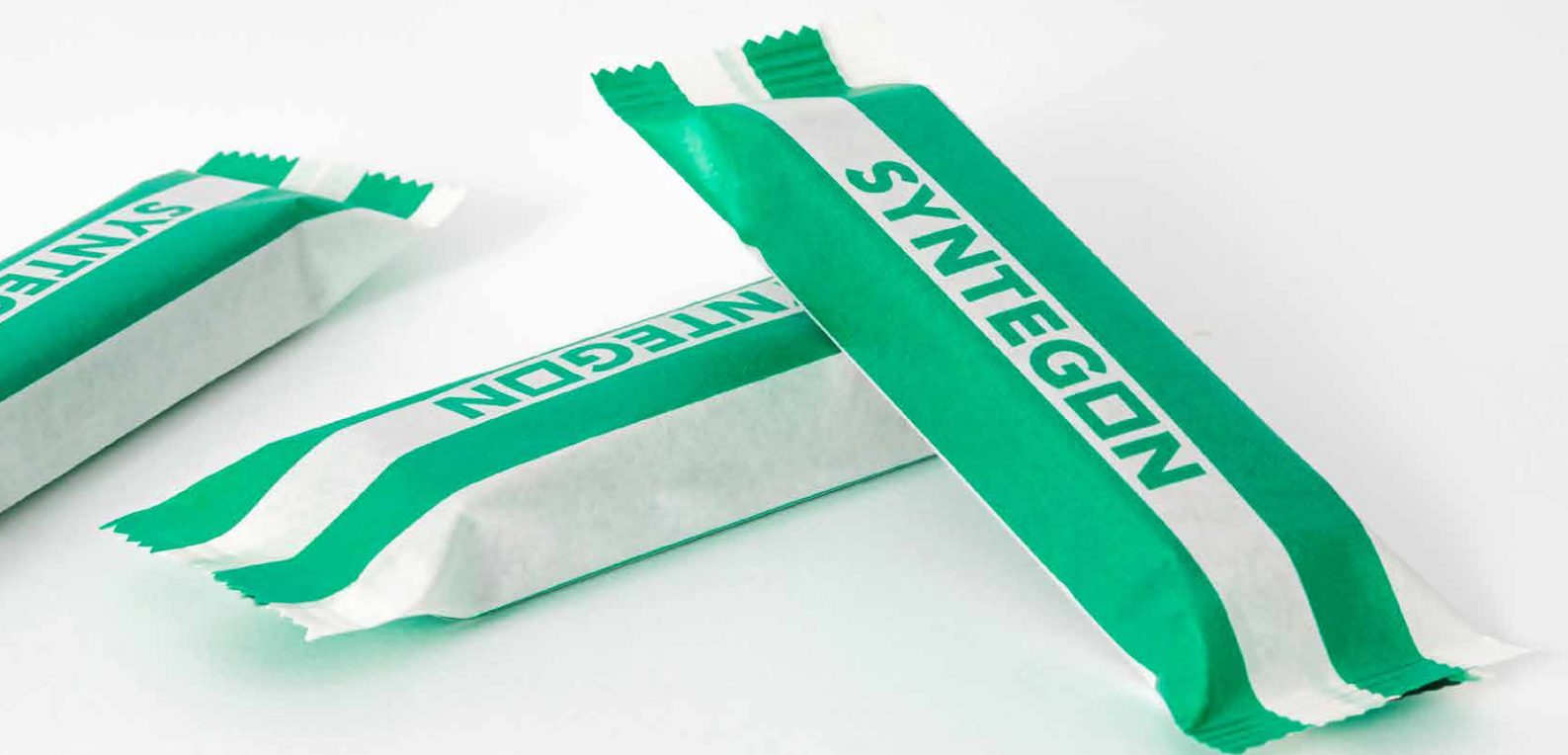
Focus on sustainable flow wraps.

Sensitive food products and film packaging go together like a horse and carriage – or rather they used to. Times are changing, and so does the material that products are wrapped in.

Today, even oily and sensitive products like chocolate and baked goods can be wrapped in recyclable mono-materials or paper-based alternatives. Our retrofit kit paper-ON-form processes different types of barrier-paper as well as conventional packaging materials on the same machine, which allows switching materials on the fly. Thanks to our Amplified Heat Sealing (AHS)

technology, you can also create tight packs with recyclable, but heat-sensitive mono-material films.

- Paper-based packaging, cold sealing
- Paper-based packaging, hot sealing
- Mono-material, cold sealing
- Mono-material, hot sealing
- Bio-based materials, cold sealing
- Bio-based materials, hot sealing



Contact our team.



Link Website Topic:

[www.syntegon.com/solutions/food/
horizontal-flow-wrapper-machine/](https://www.syntegon.com/solutions/food/horizontal-flow-wrapper-machine/)

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