

## The perfect TOP EXPAND starter pack for your needs

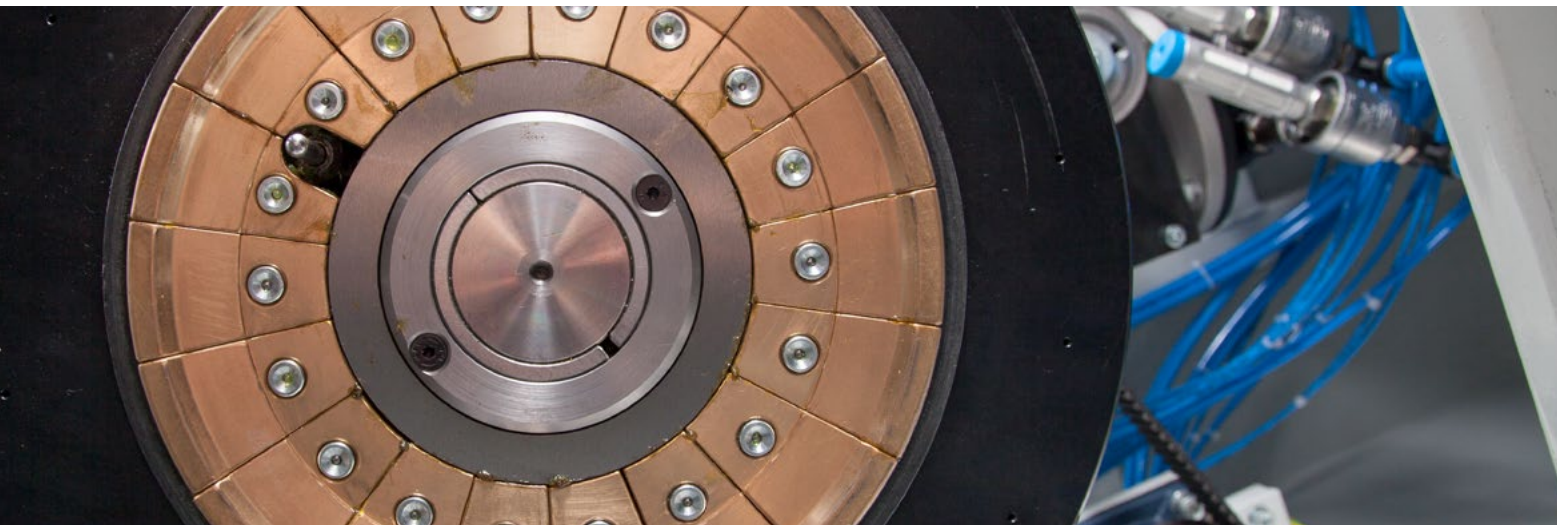
Our focus is on coming up with a business model that meets your specific needs so that you can get started with state-of-the-art, streamlined closing operations right away.

In addition to an even-handed lease agreement, we will enter into a service agreement with you and take care of all the maintenance and servicing stipulated in it.

We will be more than happy to prepare a custom-tailored quotation for the lease or sale of a TOP EXPAND closing system, in conjunction with the delivery of tinplate packaging, for you.

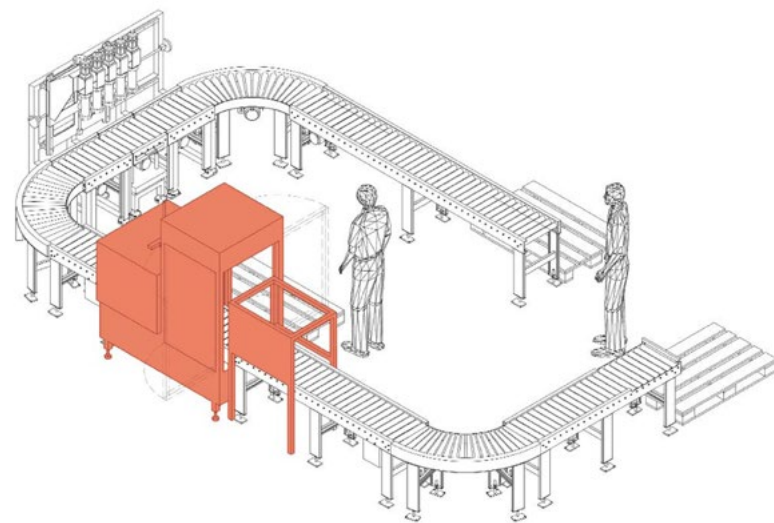
We offer Envases TOP EXPAND systems for lease preferentially, making it possible for you to take advantage of their benefits without any financial risk.

We also sell our cutting-edge technology together with deliveries of tinplate packaging in the event that this is better suited to your requirements.



## System planning support

We will be more than happy to recommend experienced companies or engineering consulting firms that can flesh out an overall engineering solution and a layout that will ensure that your Envases TOP EXPAND equipment is optimally integrated. By relying on our experience and our network to optimize your filling and closing processes, you can focus on your core operations instead.



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# TOP EXPAND

The automatic closing system

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# TOP EXPAND.

The automatic closing system

## The automatic closing system for clamping rings that is tried-and-true like no other

This reliable Envases closing system is in greater demand than ever before, and is designed to let you significantly streamline your operations and maximize your productivity by automating your filling and closing processes.

The advantages behind TOP EXPAND are not just limited to reducing your total operating costs, but also include maximizing the output and flexibility of your production operations.



Combination system for 230 and 328 mm

CE Declaration of Conformity, CE marking, ATEX certified, Zone 1 T4 for operation in hazardous locations

### How it works

The filled container is fed into the TOP EXPAND system with a roller conveyor. Once the container is in the system, the lid with ring combination is set in place. The closing station then expands the lid and the top of the body into the ring, after which the closed container is automatically removed.

#### ADVANTAGES FOR YOU

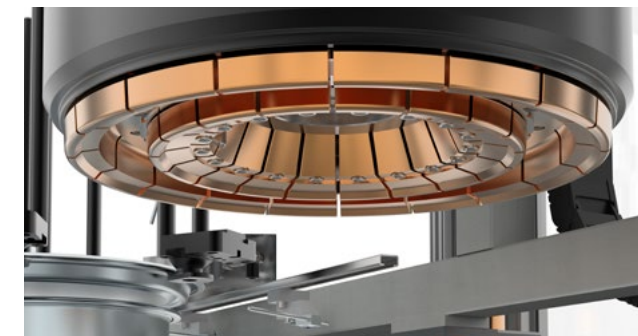
- Automatic closing system for containers with clamping rings
- Compact machines that require little space and power
- Can be integrated into any filling system
- Minimal need for supervision
- Significantly boosts productivity
- Only one closure
- Maximum transit safety, absolutely tight seal
- Type approved for road, rail, and sea transport.

#### ADVANTAGES FOR END CONSUMERS

- Tamper-evident seal
- Secure and tight clamping ring
- Can be easily opened without tools
- Familiar closure system
- Opened containers can be safely and securely reclosed
- Fully removable lid
- Contents can be easily worked with from the container
- Residual contents can be easily emptied; easy to recycle / dispose of



System with two-hand control – the alternative for smaller volumes.



### TOP EXPAND closing head combinations

Available with a single-diameter head or with heads that can handle up to three diameters (depending on the specific container dimensions)

Container diameter	Single-diameter head	Two-diameter combination head	Three-diameter combination head	Envases plant (country of manufacture)
163 / 158 mm	163 mm	163 + 244 mm 163 + 300 mm	163 + 244 + 300 mm	+
197 / 188 mm	197 mm	197 + 244 mm 197 + 300 mm	197 + 244 + 300 mm	+
230 / 217 mm	230 mm	230 + 328 mm	-----	DE
244 / 235 mm	244 mm	163 + 244 mm 244 + 300 mm	163 + 244 + 300 mm 197 + 244 + 300 mm	+
280 / 262 mm	280 mm	-----	-----	DE
300 / 280 mm	300 mm	163 + 300 mm 197 + 300 mm 244 + 300 mm	163 + 244 + 300 mm 197 + 244 + 300 mm	+
328 / 312 mm	328 mm	230 + 328 mm	-----	DE

### Range of containers

With our TOP EXPAND closing system, we cover a range of pails and hobbcks with capacities that go from 2.5 to 30 liters. More specifically, we make dependable packaging with lids and lever lock rings that is available in three container sizes in Germany and four additional ones at our plant in Aesch, all with UN approval for the worldwide shipping of dangerous goods.



### TOP EXPAND container versions – Germany and Switzerland

Basic dimensions in mm (top / bottom)	Nominal volume in liters	Pail (carrying handle)	Hobbock (two side grip handles)	Envases plant (country of manufacture)
163 / 158	2.5 / 3.0	X		+
197 / 188	4.0 / 6.0	X		+
230 / 217	5.0 / 12.0	X		DE
244 / 230	7.0 / 12.0	X		+
280 / 262	12.0 / 20.0	X	X	DE
300 / 280	13.0 / 30.0	X	X	+
328 / 312	20.0 / 30.0		X	DE

### Ready-to-go solution

The lid and clamping ring combination is delivered closed in stacks, with the pins already in place. In other words, the entire closing process is fully automatic (manual machines excluded).



### Versatile

For small batches, we will be more than happy to provide suitable manual closure lids with a clamping ring that are compatible with the exact same container.



TOP EXPAND makes it possible to close Envases tinplate packaging – especially pails and hobbcks used for hazardous materials – with a lever lock ring in an automated and ergonomic manner. This eliminates the need to manually close lock rings, which not only renders work for your staff more ergonomic and much less exhausting, but also maximizes productivity.