



# SWING3



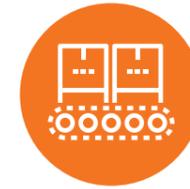
The flexible all-rounder for cups, lids and bowls.

Suitable for all commercially-available materials



# The latest generation of flexible thermoforming – with the SWING 3

Small footprint, even faster tool change and efficient processing of all commercially-available raw materials, including RPET and biologically-degradable materials: the latest model in our SWING series gives manufacturers more flexibility than ever before - especially when manufacturing small to medium production batches.



**For space-saving production:**  
Thanks to its compact design, the SWING 3 midsize machine takes up very little space, and therefore easily integrates into any production environment.



**For small to medium quantities:**  
Due to its flexibility combined with low material and energy consumption, the SWING 3 is efficient and cost-effective, particularly when producing small to medium quantities (up to 50,000 cups/hour).



**For frequent product changes:**  
With the SWING 3, you can quickly switch between various products, such as bowls, cups and lids, in production mode, as it takes very little time to convert the counting and stacking device and tool.

## High-end forming station

The newly patented drive concept, consisting of only one servo drive and cam and sliding block guide for permanent mechanically-coupled lifting and swiveling motion of the SWING 3, is synonymous with permanent homogenous product quality, even under demanding production conditions – and achieves a production rate of up to 50,000 cups per hour.

## Trim-in-place technology

The SWING 3 utilizes the forming and punching technology in only one work step to ensure high product quality and reproducibility with all materials.



## Integrated tool changing system

The tool can be changed within an hour using the integrated tool changing system. This minimizes downtimes, even when changing over to a different product.

## User-friendly HMI display

The intuitive HMI display is very simple which means that very little effort is required by personnel to operate the machine – from normal operation to tool changing.

## Flexible adjustment of stacking and counting device

Would you like to switch between lids and cups during production? The flexible stacking and counting device allows you to stack products both horizontally and vertically. The changeover can be carried out easily and quickly at any time.

# Efficient and versatile

SWING 3 offers you the following benefits



## Economical all-rounder

- » Cost-effective, even when manufacturing small to medium quantities
- » More efficient use of material due to perfect matching of tool installation with product
- » Low space requirement



## Flexible production

- » Wide scope of products due to fast tool change in less than an hour
- » Variable counting and stacking device facilitates horizontal or vertical stacking and fast straight-forward conversion
- » Processes all commercially-available materials, incl. PET and biologically-degradable materials



## Straightforward automation options

- » Problem-free linking of auxiliary units
- » Compatible with many peripheral devices
- » Interfacing with IoT systems possible at any time



## Industry 4.0 ready – due to the Commissioned Monitoring System (CMS)

The SWING 3 can of course also be seamlessly integrated into the digital production processes of Industry 4.0. State-of-the-art equipment ensures you maintain an overview of important parameters at all times - and can rest assured that production is running smoothly.

- » Integrated sensors and remote access allow live tracking of production parameters
- » IoT-capable, thanks to Siemens Mindsphere Integration
- » Full control due to optional use

Watch video now



## YOUR BENEFITS WITH THE SWING 3



### MAXIMUM FLEXIBILITY

Selection of material, fast product changeover or interfacing with auxiliary units - whatever your production needs, with the SWING 3 you are completely flexible.



### HIGH ECONOMIC EFFICIENCY

The SWING 3 allows you to work extremely cost-effectively: low energy consumption combined with highly efficient utilization of materials and low personnel effort allows you to optimize production costs, even when processing small quantities.



### SMALL FOOTPRINT

Owing to its compact design, the SWING 3 can also be integrated into production lines where space is at a premium and/or with inflexible set-ups, and can be installed in a space-saving manner.



### EASY TO OPERATE

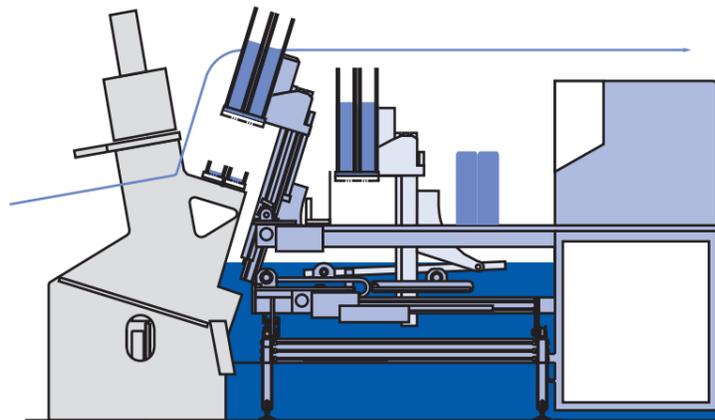
State-of-the-art control equipment, such as the user-friendly HMI display, outstanding accessibility of the tool and ergonomic unloading height, mean that the SWING 3 is extremely convenient to use and can be operated by only one engineer.

# Wide variety of products – outstanding quality

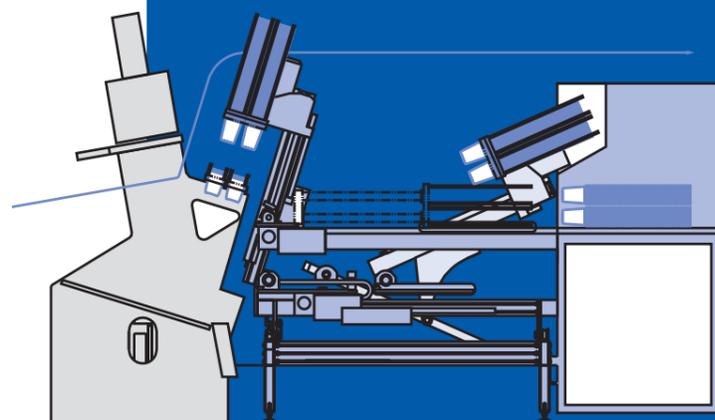
With the SWING 3, you can produce a wide variety of products using only one machine. Whether cups, lids or deep bowls - you can rely on outstanding product quality at all times.

## Your benefits

- » Extremely wide range of forms combined with outstanding quality
- » High degree of stability combined with thin-wallness
- » Even material distribution thanks to servo technology
- » Material savings due to optimum tool configuration
- » High cycle numbers and productivity
- » Maintenance-friendly



Vertical stacking and counting device for the production of lids



Horizontal stacking and counting device for the production of cups and bowls

# Perfect combination

## Straightforward expansion of functions with GABLER peripheral equipment

You can extend your production line easily and comprehensively with our peripheral equipment. This also can be done fully automatically if required in order to improve efficiency and productivity.

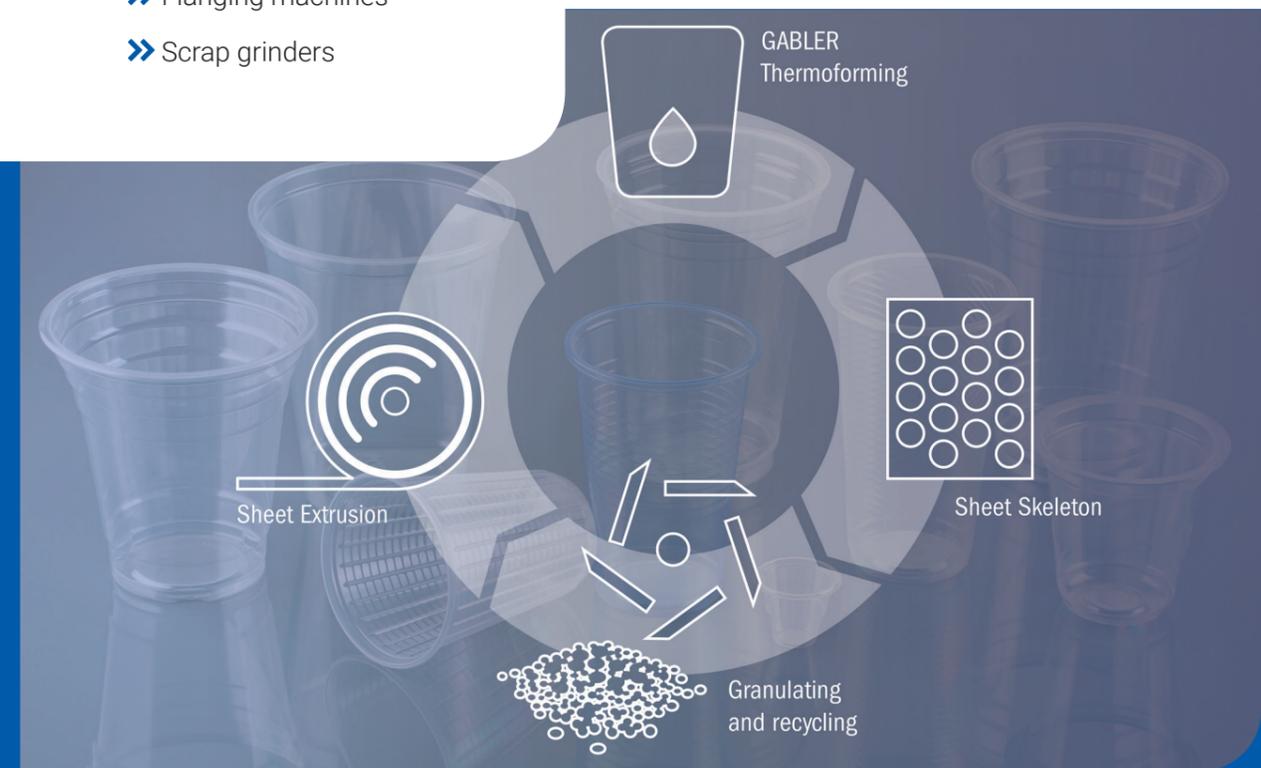
### Expand your production line, for example with the following:

- » Foil roll changing systems
- » Roller preheater
- » Mold temperature control
- » Flanging machines
- » Scrap grinders



## Simple automation

Our automation solutions combine our peripheral devices with automation components – tailored to your production requirements. This allows you to boost your efficiency and productivity with very little manual effort.



## More sustainable production, thanks to circular economy

With GABLER peripheral equipment you can gear your production towards recycling punch scrap and returning it to the production cycle – entirely within the framework of the circular economy.



## Quality "Made in Germany"

Outstanding quality "Made in Germany" has always been what sets GABLER Thermoform systems apart from the rest. We therefore always strive to give just a bit more, so that our products are even more stable and efficient.



## Experience

Thanks to our extensive technical know-how and many years of experience of our employees, GABLER Thermoform is one of the world's leading experts in thermoforming technology and is always extending and consolidating its expertise – with the aim of achieving outstanding results and performance.



## Expert service

"Providing the best as a one-stop service" – in keeping with this motto, GABLER Thermoform offers its customers around the world an all-round carefree package and flexibly and reliably takes care of all your requirements, from installation to customer service through to the delivery of spare parts. Our remote diagnostics and remote maintenance tools generate added value.



## Ease of operation

We place a great deal of importance on straightforward and efficient operation of our thermoforming systems. State-of-the-art operating software and control systems provide the technical basis for this. Our highly-acclaimed training courses and on-site training sessions give your team the capability and know-how they need to work with GABLER thermoforming machines.

### Technical Data – SWING 3

Max. film width	700 mm	27,56"
Forming area	600x271 mm	23,62x10,67"
Depth of draw / standard depth of draw max. neg./pos.	180/46 mm	7,09/1,81"
Max. closing force	295 kN / 29.5 t	
Max. power consumption of top heater	39.6 kW	
Max. power consumption of bottom heater	26.4 kW	
Motorized drives	25.7 kW	
Total connected load with 100% duty cycle	61 kW	
Operating air pressure	6 bar	87 psi
Required air rate (production-related) max. min*1 (NL)	approx. 4,250 l/min	approx. 1123 gal/min
Max. water flow rate at 6 bar / 87 psi	14 m <sup>3</sup> /h	494,5 ctf/h
Length/Width/Height (incl. control cabinet with stacking and counting device)	5.80/3.10/3.20 m	191/102/105 ft
Approx. weight (without tool)	9,600 kg	21,165 lbs



The right of modifications to the design is hereby reserved.

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