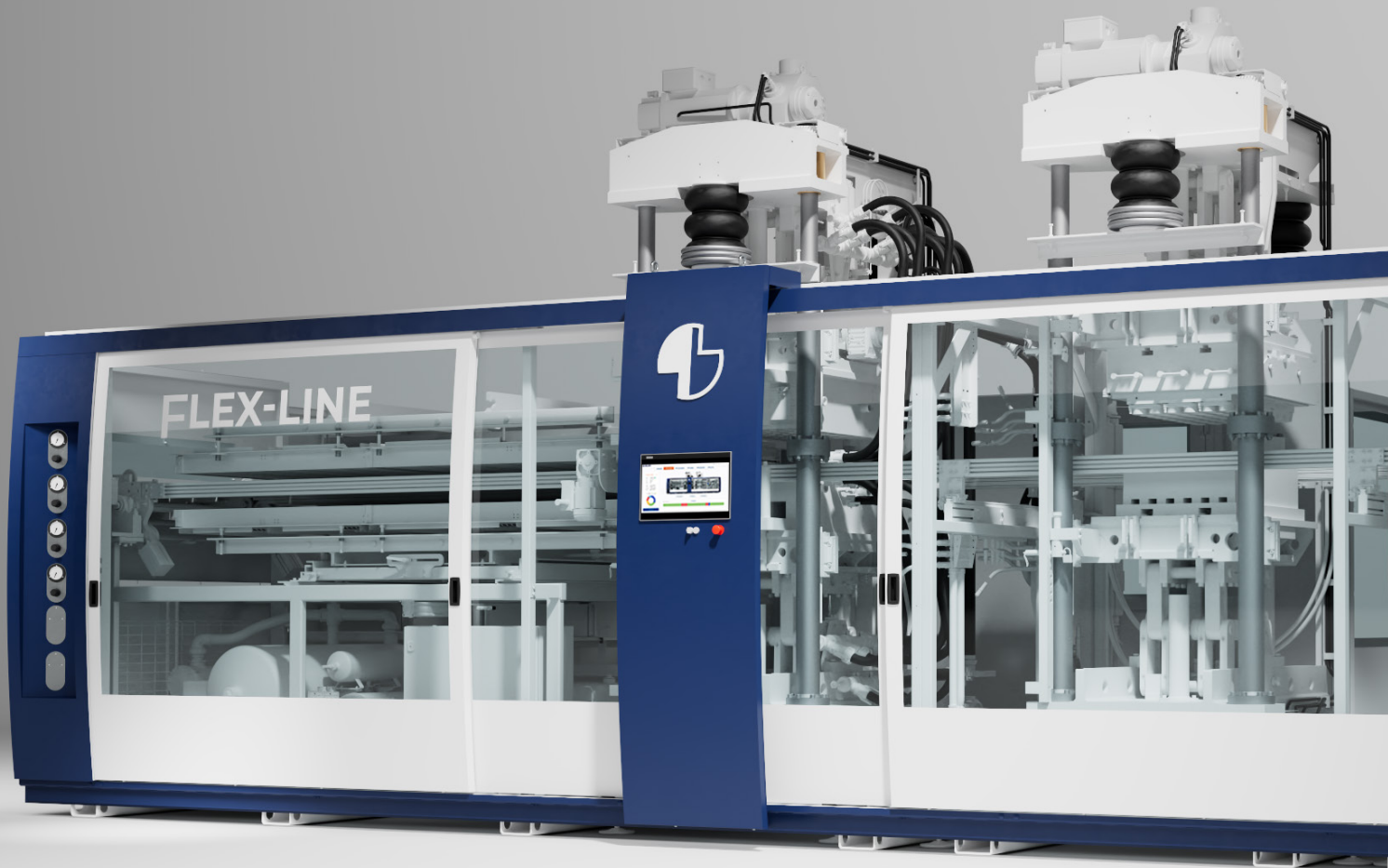


# FLEX-LINE

# GABLER

THERMOFORM TECHNOLOGY



## SMART POWER IN THERMOFORMING

Its name says it all: With its smart multi-station concept, the new FLEX-LINE offers a maximum of flexibility in the production of most different food packaging.

Flexible, more flexible, FLEX-LINE

# FCS-Technology freshly defined

Maximum stability and reliability and unprecedented flexibility are promised by our newcomer amongst the thermoforming machines. The current FCS-machine from GABLER, our FLEX-LINE, can score with several highlights. Its multi-station design, an innovative drive concept including linear guides, extremely high cutting forces and the highest cycle rates on the market – this all-round talent sets new standards in the field of thermoforming machines. Rapid tool change and the flexible use of third-party tools enable economical and energy efficient production of many different packaging types.

## Maximum flexibility

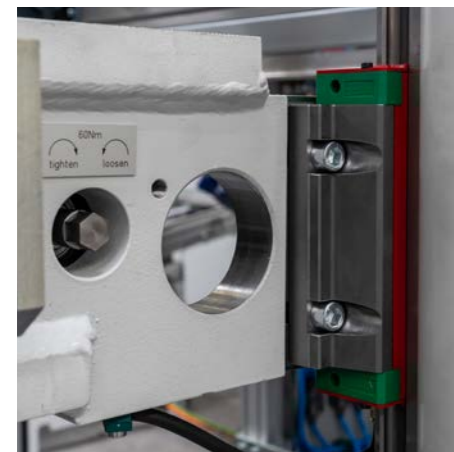
The simple and **rapid tool change** via quick-release locks and the **flexible use of third-party tools** provide a maximum of flexibility in the production of many different products.

## Proven GABLER Quality

All components of the FLEX-LINE score with well-liked **GABLER quality**. The **combination of drive kinematics and the solid steel design** of the forming and the cutting station has no equal on the market. This makes the FLEX-LINE especially robust, reliable and long-lasting.

## Unique Drive Concept

As the first thermoforming machine on the market, the FLEX-LINE is equipped with a **central drive concept via gear rack**. The forming table movement is implemented via gear rack drive and four-fold knee lever system and linear guides. An integrated **water cooling system** discharges the generated heat effectively.

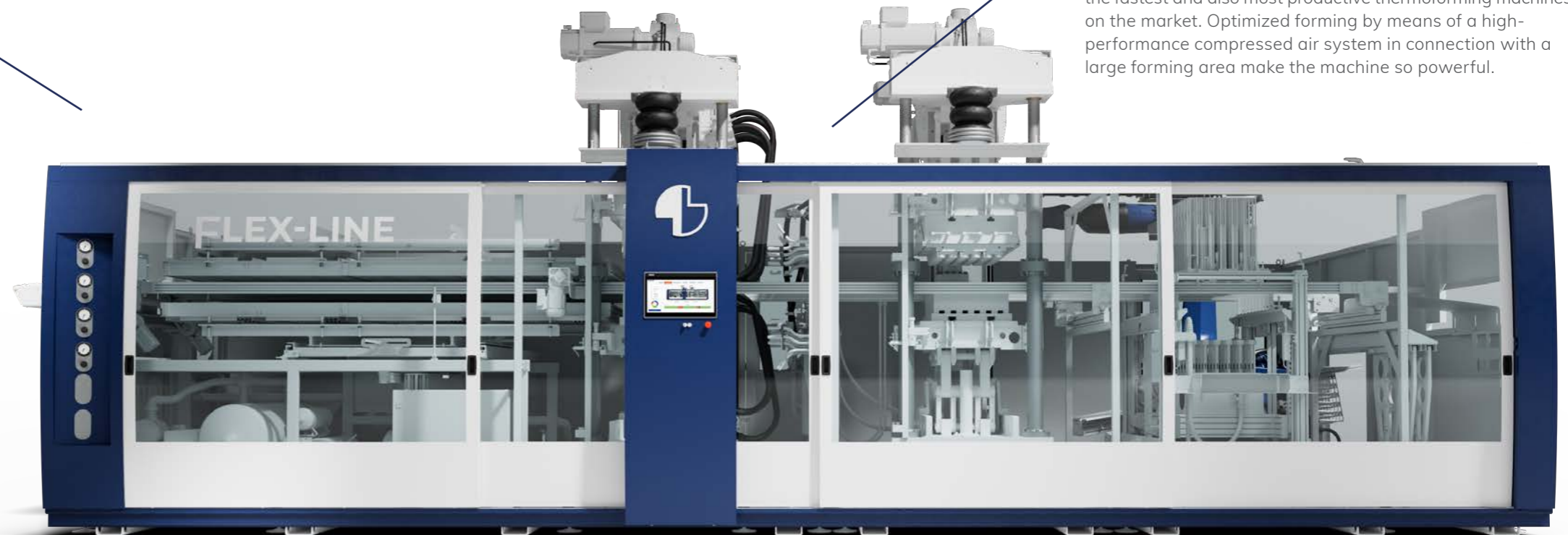


Up to 60  
cycles/minute

800kN  
Cutting Force  
on forming and cutting station

## Highest Productivity

The FLEX-LINE with up to **60 production cycles** is one of the fastest and also most productive thermoforming machines on the market. Optimized forming by means of a high-performance compressed air system in connection with a large forming area make the machine so powerful.



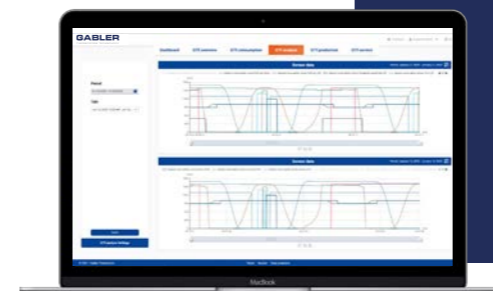
## Innovative Machine Control

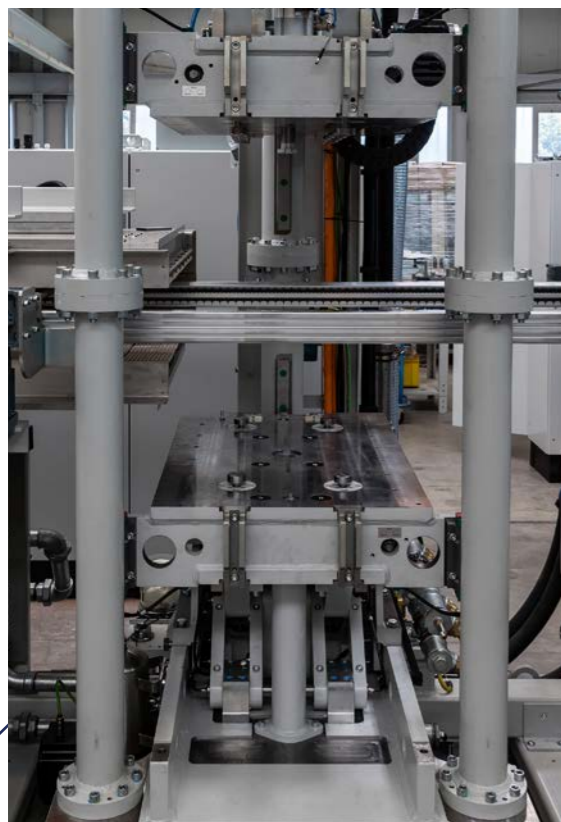
An **innovative control system** makes operation of the FLEX-LINE as easy and one-two-three. The software is very user-friendly – both in general operation and in setting and monitoring the process parameters. All work processes and failure messages are logged in order to ensure optimum reproducibility of the process. On the **19" touch screen** you can visualize and check all machine functions in real time.

## CHECK MY GTF

Our well-liked and proven cloud-based remote support is available for the FLEX-LINE to optimize processes and increase efficiency. This option enables our experienced service technicians to access your machine easily, offering many advantages:

- » Optimum visualization of the production process and the energy consumption
- » Process and drive optimization and increased machine efficiency (+1%)
- » More process safety and reduction of machine downtime
- » Better planning of maintenance and staff resources; lowering work cost





### Highest Efficiency

The **multi-station principle** of the FLEX-LINE – forming, cutting and stacking in one machine – enables efficient production of different products as never seen before, and this with constantly **first class product quality**.

### Flexible punching depth

A newly developed system uses **worm gears** to ensure fast and highly accurate punching depth adjustment. The optimum fixing of the top yoke is done via a proven **air-spring bellows system**.

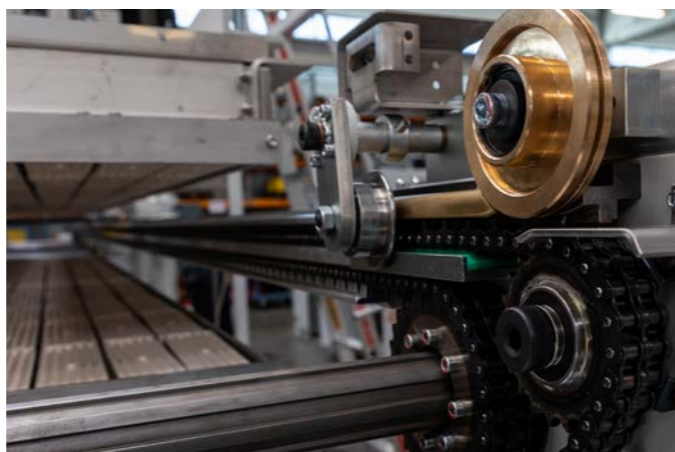
### Processing of PET

The extremely stable machine design with **cutting forces of up to 800kN** and a **large forming area of 800 x 630 mm in one line** make the FLEX-LINE predestined for processing PET.

### Many Stacking Variants

For every production requirement we have the matching stacking concept:

- » Stacking upwards (standard)
- » Stacking downwards
- » Stacking with a linear robot on the direction of the cycle and across
- » Stacking with 6-axes articulated robot



### TOOL HANDLING

The FLEX-LINE is a wonder of flexibility. Not least because of the option to change tools quickly and simply to change production to another article. Your benefits at a glance:

- » Optimum access to tools and machine components
- » Quick-release system for simple tool change
- » Tool change in just 30 minutes to minimize downtime
- » Flexible use of third-party tools



One machine, many talents

# All this with the FLEX-LINE

The FLEX-LINE has been specifically designed for the production of packaging, for example in the food or pharmaceutical industry. Due to its multi-station concept, the machine offers a maximum of flexibility in regard to most different production concepts and products. By default a 3-station system, the FLEX-LINE can later be supplemented with e.g. a hole punching station.

TRAYS

HINGED PACKS

LIDS

Stable and powerful

## FLEX-LINE

- » Up to **60 cycles/minute**
- » High closing force of **800kN** in all stations



**Highest Stability**

Massive steel construction of the forming and cutting station



**Maximum flexibility**

Multi-station concept and integration of third-party tools



**High economic efficiency**

Low energy consumption + economical tools = maximum power and ROI



# Why GABLER?



**RELIABLE**

**PARTNER**

A financially sound company, one of the world-market leaders in high end thermoforming technology – with branches all over the world.



**EXPERT**

**SERVICE**

International network of experienced service technicians, rapid help on site, regular maintenance of your plants and fast, world-wide spare parts delivery.



**COMPREHENSIVE**

**EXPERTISE**

Almost 50 years of experience in thermoforming.



**STATE OF THE ART**

**TECHNOLOGY**

Innovations in the fields of pre-stretching technology, tool cooling, machine control, remote support, digitalization, and many more



**GABLER**  
THERMOFORM TECHNOLOGY

Gabler Thermoform GmbH & Co KG  
Niels-Bohr-Ring 5a  
D 23568 Lübeck  
Tel. +49 (0) 451 3109-0

[www.gabler-thermoform.com](http://www.gabler-thermoform.com) 