



## Press Release

### Bekum presents innovative series with over 12 new machine sizes

Premiere at the K 2022:

**Berlin (D), 01.07.2022:** The focus of Bekum's trade fair presentation is the market launch of the new machine series for packaging and industrial containers. Many technical innovations and the presentation of our new Digital Service await visitors to stand 14 C03.

#### PACKAGING LINE of the 8-series

At the last K-fair, Bekum presented the trend-setting machine Concept 808.

With the newly developed machines of the 8-series, Bekum sets the benchmark for future extrusion blow moulding machines.

The new 8-series features include the multiple award-winning machine design, energy-efficient HiPEX 36D extruders, spiral mandrel die heads for uniform melt homogeneity, Bekum's modern Industry 4.0-capable BC 8.0 machine control system and our patented C-frame for outstanding clamping force distribution. Depending on the size, the EBLOW machines of the 8-series are available as single- and double-station versions.

#### New small blow moulding machines

The sizes EBLOW 208D, 308D and 408D form an independent, modular construction kit as components of the 8-series platform. The robust design has been optimized for a small footprint and is characterized by extraordinary flexibility and maximum efficiency. Reduced moving masses allow short dry cycle times. Mould changes, maintenance and service are simplified by easy accessibility to the extrusion

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head and the blow mould. The new small blow moulding machines, in the 8-series are designed for small packages and have clamping forces of 60 - 120 kN.

### **New blow moulding machines up to 20 L**

The modular, flexibly configurable extrusion blow moulding machines of the 8-series include the machine sizes 508, 608, 708, 808, 1008 and 1208, all of which are available as double-station machines. The 508, 608, 708 and 38 sizes are also offered in single-station versions. The series offers clamping forces from 200 to 500 kN and has been designed for maximum productivity and ease of use. With the e-Twin toggle, Bekum presents a new, unique clamping drive system for short clamping force build-up times, which, in conjunction with the patented C-frame, guarantees platen parallelism. Thus, covering the most diverse production and material requirements for packaging and handled canisters up to 20 L in the most efficient way.

### **INDUSTRIAL LINE**

You will see the innovation when you stand for the first time in front of the new industrial system from Bekum, part of our new industrial line. Instead of brute industrial force, you will see a uniquely designed system whose language of form and colour impressively transfers the award-winning design of the 8-series platform to the industrial line.

The concept of the new Industrial Line is universally scalable, modular and includes the machine sizes BA 50, 100, 200 and 300 with clamping forces from 500 to 3,000 kN.

The heart of this series is the new clamping unit (patent pending) with two diagonal tie bars. The clamping force can be individually set on the display of the new Bekum Control 8.0, as can the size of the variable mould thickness. The mould itself can be quickly and easily removed from the side via quick-change plates. The industrial blow moulding machines of the BA series from Bekum are supplied with a speed-controlled hydraulic unit, which significantly reduces energy consumption and lowers the sound pressure level on the machine to 71 dB(A).

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### **Digital service and support**

With the introduction of Digital Service and Support, Bekum has once again provided added value for its customers. The use of the modern BC 8.0 control system, expanded sensor technology and a secure internet connection opens up new possibilities for measuring, analyzing and optimization of the machine and its' production parameters. Freely configurable dashboards help determine the most important KPIs in order to set up individual process monitoring, to identify fluctuations such as raw materials or process parameters which can be recognized and corrected immediately. Augmented Reality (AR) solutions round off the new service offering for efficient problem solving and preventive maintenance while increasing customer benefits.

### **Circular Economy - Biopolymers and Regenerate Processing**

At every K-fair, for the past 15 years, Bekum introduced the Tri-extrusion technology using post-consumer recycled plastics (PCR) and chalk materials as a sustainable production solution. Combining this technology with the Bekum 3-layer heads, a proven solution exists for the cost-effective recycling of unmixed PE or PP plastic waste. By embedding PCR and/or chalk materials in the middle layer between thin layers of virgin plastic, this ecologically effective solution can also reduce the cost of container production.

This year, Bekum's exhibition machine is processing an HDPE from SABIC, which is made from 50% recycled plastics. In the new 8-series machine design, Bekum is producing consumer packaging that can be used for detergents, cleaning agents, shampoos and cosmetics.

**Bekum at K 2022: Hall 14 C03.**

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**Captions:**

Caption 1 (opening image): New 8-Series with more than 12 models

Image sources: All images are from Bekum (unless otherwise indicated)

## About Bekum ++++++

### Pioneer and Trendsetter in Blow Moulding Technology

Founded in Berlin in 1959, Bekum Maschinenfabriken GmbH is one of the world’s leading manufacturers of extrusion blow moulding machines.

Founder Gottfried Mehnert conceived the name Bekum as the acronym (Berliner Kunststoff Maschinen).

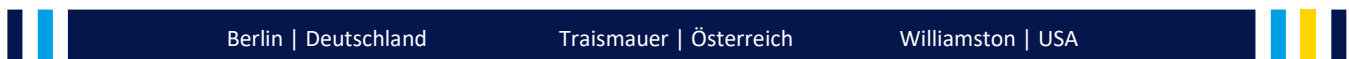
The company began to flourish in its founding year with the development of the world’s first neck-rim calibration. Numerous innovations and patents followed, confirming that Bekum, with its innovative and customer-oriented machinery solutions, has always been ahead of its time – and remains so to this day.

When innovative and economical machinery solutions with high productivity for individual packaging requirements of hollow packaging are in demand, then Bekum, with 60 years of experience in blow-moulding technology, is the first choice worldwide.

### Product Range and Applications in Food and Non-food

With future-oriented and reliable production processes and fully electric, as well as hydraulic machinery for the commercial production of blow moulded containers ranging from 5 ml to 3000 l, Bekum offers everything for plastic packaging from one source.

### Philosophy of the Company



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Building and maintaining long-term relationships with market partners through future-oriented, predictable company policy determine the actions of the first and second generation of the family, represented by Michael Mehnert. This strategy ensures the jobs of dedicated and experienced staff. The preservation of traditional structures, an established network of partners and far-sighted adaptation to change form the basis for continuous development and inspiration for the company in the interest of partners, customers and employees.

### **Innovation and Technology**

Process reliability, availability, efficiency and sophisticated design characterise the high standard of Bekum production lines for blow moulding. Bekum contributes the expertise that has grown based on these references, associated with various patents in blow moulding, to the fulfilment of every customer requirement.

The level of process design is key for process reliability, reproducibility, parts quality and cost-efficiency. A high-quality production line for extrusion blow moulding, consisting of machine, die and automation which is impressive in terms of speed, wear resistance, availability, process reliability and stability alike, is critical for return on investment (ROI) and the level of added value.

### **Facts and figures**

With 18,000 machines delivered and installed worldwide - about half of them still in use - the Bekum Group has achieved by far the largest production of blow moulding machines of any brand.

The Bekum Group serves approximately 100 countries around the world directly or through representatives.

Today, 350 employees work for the Bekum group worldwide at three locations in Europe and in the US (Berlin (Germany), Traismauer (Austria) und Williamston (USA)).

## Benchmark for Blow Moulding Machines

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