



Press Release

SmartLine

The New Fully Electric Extrusion Blow Moulding Machine Series

Berlin (Germany), February 3, 2026: With the new fully electric SmartLine, Bekum expands its machine portfolio with a series consistently engineered for efficiency and cost-effectiveness. Developed entirely from scratch, the new machine range enables a cost-efficient entry into extrusion blow moulding technology — while delivering convincing performance in energy consumption and life-cycle costs.

The SmartLine combines a 30% reduction in machine investment with Bekum's proven process and quality expertise. New sourcing and manufacturing concepts form the foundation for these investment advantages. At the same time, optimized drive technology in combination with energy-efficient HiPEx extruders reduces energy costs by up to 20%. Precise process control and efficient material utilization additionally enable material savings of up to 10%.

"A strategic milestone is the world premiere of our fully electric SmartLine series, which we presented for the first time at K 2025. We clearly understand that our customers, particularly in consumer packaging, must calculate sharply. With the new SmartLine, we were able to reduce machine investment costs by 30%," emphasizes Managing Partner Michael Mehnert.

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Compact Solution for Consumer Packaging

The SmartLine is specifically designed for small and medium-sized producers in the consumer packaging segment as well as for newcomers to extrusion blow moulding technology. With the first two models — SBLOW 5S/D and SBLOW 15S/D — Bekum introduces a compact single-station (S) and double-station (D) blow moulding machine featuring 50 kN and 150 kN clamping force respectively, and opening strokes of 380 mm and 560 mm. Maximum mould width is 370 mm and 560 mm respectively, with mould heights of 350 mm and 500 mm. This makes the machine ideally suited for demanding packaging applications while maintaining a small footprint.

Energy-Saving High-Performance Extrusion

The SmartLine also relies on proven high-performance HiPEx extruders and Bekum's proprietary extrusion heads. The system ensures high process stability, maximum output rates, and excellent melt homogeneity. Uniform wall thickness distribution across the entire circumference of the hollow body guarantees reproducible production results and consistent part quality. Short flow paths and homogeneous temperature control support stable and economical production.

Precise Clamping Unit with Rotary Servo Motor

The SmartLine clamping unit is driven by an electromechanical rotary servo motor. Unlike continuously rotating electric motors, the rotary motor moves precisely to a defined angle and stops exactly at the required position. This enables a compact machine design, simplified control architecture, and high positioning accuracy — combined with reduced energy consumption.

Bekum Control 8.0 – Intuitive and Industry 4.0 Ready

Equipped with the proven Bekum Control 8.0, the SmartLine features a powerful and future-proof machine control system. The 24" Full HD portrait touch display offers intuitive operation and clearly visualizes throughput and energy data via dashboard. Integrated Industry 4.0 functionality enables seamless integration into digital production environments.

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Digital Services Included

The SmartLine is fully integrated into Bekum's digital service environment. Bekum SmartConnect provides real-time remote support. A digital spare parts catalog ensures permanent access to relevant component information. The service portfolio is complemented by worldwide Bekum Field Service and reliable spare parts availability.

Modern and Functional Machine Design

The SmartLine follows the award-winning Bekum machine design concept. The machine impresses with its modern and functional appearance as well as generous access and visibility areas. The ergonomic machine concept supports maintenance, mould change processes, and operator convenience in daily production.

With the SmartLine, Bekum offers an economical, energy-efficient, and technologically advanced solution for companies entering extrusion blow moulding technology or expanding production capacities in a cost-optimized manner.

Bekum will exhibit at the following trade fairs:

- **Saudi Plastics & Petrochem 2026 – Hall 4-129 (April 12–15, 2026)**
- **Chinaplas 2026 – Hall 2.1, Booth G45 (April 21–24, 2026)**
- **Interpack 2026 – Hall 17, Booth B78 (May 7–13, 2026)**

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Captions:

Caption 1 (Bekum_SmartLine_SBLOW5S-2048px): Lead image: Model SBLOW 5S single-station blow moulding machine with 50 kN clamping force, also available as a double-station machine

Caption 2 (Bekum-SmartLine_Technical data): Technical data for the new SmartLine

Caption 3 (Bekum_SmartLine_SBLOW5S_Article_Soap dispenser-2024px): Compact 300 ml bottle, produced on the SBLOW 5S, as demanded in the consumer goods market

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). In 2016 the son Michael Mehnert took over. He is responsible for the management of the company as managing director.

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 65 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.

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Philosophy of the Company

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.

Locations & Employees

Bekum employs around 300 people at four locations:

- Berlin, Germany (holding company)
- Siegburg, Germany (sales and service)
- Traismauer, Austria (European production site)
- Williamston, MI, USA (American production site for North America)

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.

Benchmark for Blow Moulding Machines