

CANPR110EN

PRESS RELEASE

## Cannon Viking's PURFORM technology sets new standards in PU foam block production

**Manchester, UK, May 20, 2025** — Cannon Viking, a global leader in advanced turnkey plants for polyurethane foam block production, introduces its revolutionary PURFORM and PURFORM Elite machines. These next-generation solutions will be available globally starting May 20, 2025, representing a transformative leap forward in continuous slabstock production.

The PURFORM by Cannon is designed to optimize foam production processes by integrating a series of advanced technologies tailored to maximize yield and improve block quality. At the heart of this innovation lies a bespoke chemical metering system engineered to the unique properties of polyurethane raw materials, ensuring up to 3% improvement in chemical flow accuracy compared to market alternatives. This precision translates directly into consistent formulations and high-quality foam blocks. The system is complemented by a cutting-edge direct-drive mixer, which eliminates pulleys and belts, enhancing reliability and reducing maintenance while supporting a broader range of mixing speeds for specialty foams.

PURFORM also features an advanced chemical laydown system, optimizing material distribution across the production line, reducing waste by up to 2%, and improving foam consistency. The system can be customized with various laydown options, including the innovative LayDown Master, providing unmatched flexibility. Additionally, the modular design facilitates quick assembly and future upgrades, enabling producers to adapt swiftly to changing market demands.

Complementing these hardware advancements is the Omega 4.0 computer control platform, an industry-leading system offering real-time monitoring, intuitive graphical interfaces, and closed-loop process control. This ensures that producers maintain precision and efficiency across all production parameters, achieving foam yields exceeding 95% under ideal conditions.

The modular design of PURFORM by Cannon streamlines manufacturing and facilitates future upgrades, ensuring long-term adaptability for evolving production demands.

For producers seeking even greater performance and flexibility, Cannon Viking offers the PURFORM Elite. This high-pressure version incorporates all the innovations of the PURFORM machine, while introducing enhanced capabilities for high-volume and technical foam block production. The Elite model features advanced configurations for specialized and technical foam applications and an even more robust system for chemical metering and distribution.

According to Richard Doublet-Stewart, General Sales Manager at Cannon Viking, *"The launch of PURFORM and PURFORM Elite by Cannon marks a transformative moment for polyurethane foam block production. By combining advanced technology with our deep understanding of customer needs, we are delivering solutions that redefine efficiency and quality standards in the industry."*

With a rich history dating back to 1956, Cannon Viking has continually pushed the boundaries of foam production technology. From the introduction of CarDio® technology to the recent success of LayDown Master, the company remains at the forefront of innovation, offering solutions that empower producers worldwide.

For more information on the PURFORM and PURFORM Elite, visit [cannonviking.com](https://cannonviking.com).



## About CANNON Viking

Cannon Viking is the world's leading technology and machinery supplier for polyurethane foam block production. Since its founding in 1956, Cannon Viking has worked to continuously improve the high quality and efficiency of its machinery. This pioneering attitude allows the company to develop cutting-edge technologies like the CarDio® System, which uses liquid natural carbon dioxide (CO2) as a physical blowing agent without any environmental impact.

The company offers a wide range of solutions to suit all foam block and furniture producers, from single-block machinery to turnkey continuous foam block production plants. Its product portfolio includes complete computer control, foam cutting machines, high-pressure chemical metering, foam liquid laydown technologies, and light engineering plants for polyurethane processing. Cannon Viking has vast experience processing all types of PU foams, including standard polyether foams, HR foams, viscoelastic/memory foams, fire retardants, filled foams, CME and CMHR foams, as well as rigid and semi-rigid block foams and polyester foams.

Cannon Viking is part of The Cannon Group, an engineering group spanning reactive polymer solutions, turnkey plants, industrial boilers, water treatment systems, artificial intelligence, and industrial automation.

## About CANNON

CANNON is the world's leading supplier of dosing units and mixing equipment, offering an extensive range of processing technologies for molding, pouring, casting, spraying, forming, injection, pultrusion, and manufacturing abilities for a comprehensive range of resins such as polyurethanes, silicones, elastomers, epoxy resins, phenolic foams, bi-component adhesives, and composites. CANNON designs, manufactures, and installs a wide range of equipment—from single mixing heads and stand-alone units to complex turnkey and customizable production plants—incorporating an array of technologies, including Interwet-LFI, SMC, and HP-RTM, customized preformers, molds, stacking lines, and presses (short-stroke, vertical down-stroke, and for special applications), raw chemicals storage and handling systems coupled with foaming lines, that serve a wide variety of demanding industries.

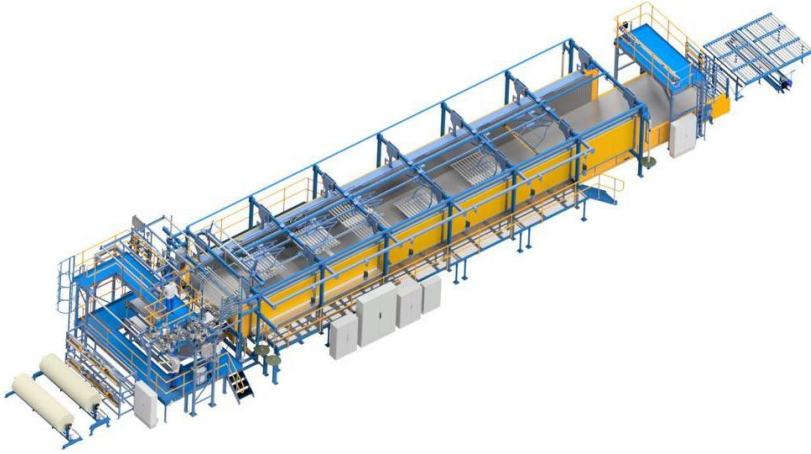
CANNON is part of The Cannon Group, an engineering group spanning reactive polymer solutions, turnkey plants, industrial boilers, water treatment systems, artificial intelligence, and industrial automation. To learn more visit: [www.cannon.com](http://www.cannon.com)

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## Images



**Caption:**

With their modular and future proof design, CANNON Viking's new PURFORM and PURFORM Elite continuous foam block machines set a new benchmark for PU slabstock production.  
(Photo: The CANNON Group)