

CANPR108EN

PRESS RELEASE

Cannon introduces new in-line resin degassing unit drastically reducing the vacuum infusion processing time for large composite structural parts

Peschiera Borromeo (MI), Italy, March 4, 2025 – At JEC World 2025, the leading international composites show held in Paris from March 4-6, CANNON Legos, a company of The Cannon Group, showcases an innovative, fully automatic system for the in-line vacuum degassing of resins for the production of large composite components using vacuum infusion, RTM and pultrusion. The new system combines a compact design and footprint, offering high output and significantly reduced processing times.

“We started developing this technology based on the requirements for the wind energy market. As the sector moves to ever larger wind blades for bigger power generation, there is a strong demand for greater outputs without compromising performances and costs,” explains Davide Bertinat, Product Manager at CANNON Legos. *“The technology we developed is building on the vast experience that Cannon has in the oil & gas sector, particularly for water treatment on offshore platforms. This was then adapted and customized for resin degassing and, after a period of testing and adjusting, we achieved the desired high in-line output, while maintaining a small footprint.”*

At present, degassing technologies are mainly operated off-line in batches with low throughput and long processing times. Although some existing technologies are already aimed at in-line processes, these tend to have limited output. To bypass this, some suppliers will offer more than one unit to cover higher volumes. The innovative solution from CANNON Legos drastically reduces the overall degassing time, processing one cubic meter (1 m³) intermediate bulk container (IBC) in less than 10 minutes. This solution enhances efficiency and ensures an optimized footprint, even at the high output rates.

Moreover, a single CANNON unit can replace several existing modules, allowing customers full integration in production processes thereby saving operating costs, time and space. Several major wind turbine manufacturers have already indicated their interest in our innovative system in response to their need for a significant increase in the volumes of chemicals needed for wind blades production.

CANNON's new in-line degassing technology is not only well suited to produce large wind turbine blades, it can also be utilized in other production processes where the presence of air or gas bubbles in chemicals needs to be minimized in order to improve the integrity of the final product, such as structural parts for the automotive industry, aerospace applications or battery trays.

To learn more, visit cannon.com

Cannon will showcase their new degassing system at JEC World 2025, Paris Nord Villepinte, Hall 5, Booth M72.



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About Cannon Legos

Cannon Legos is an engineering company working with all market players as a top-level integrator of machines, equipment, and full lines according to the requirement of each application and specific geographic restrictions. The plants provided include all ancillaries, such as steel structures, piping, electric interconnections, utilities, civil works, centralized automation systems, as turn-key supply both in the polymers and energy sectors. Inside the polymers sector, a wide range of applications is covered, from foaming plants for domestic and commercial refrigerators and insulation panels to the production of giant blades for wind power, from furniture and mattresses to water heaters and automotive components. The expert team can revamp old plants to improve their performances and convert plants to use blowing agents (such as pentanes) to reduce greenhouse gas emissions for an efficient and climate-friendly installation.

[Discover more on cannon.com](https://www.cannon.com)

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: [cannon.com](https://www.cannon.com)

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Image



Caption:

At JEC World 2025 CANNON Legos showcases an innovative, fully automatic system for the in-line vacuum degassing of resins that combines a compact design with a high output stream and significantly reduced processing times.

(Photo: Cannon Group)