

PRESS RELEASE

Cannon highlights intelligent “Talking Head” for PU processing at UTECH 2021

High pressure L-shaped mixing heads with sensors monitoring fluidic parameters and processing, offers predictive analysis for preventive maintenance

Caronno Pertusella, (Varese), Italy, November 16, 2021

At UTECH 2021, Cannon, a market leader in technologies for the processing of polyurethanes (PU) and urethane elastomers, displays its innovative Free Pouring Laminar (FPL) SR L-shaped high-pressure mixing head reconfigured to accommodate more than 30 sensors to monitor processing performance during its life cycle.

Cannon’s patented FPL SR “Talking Head” leverages the advantages of the Internet of Things (IoT) to allow self-reporting in real-time detecting the status and exposing anomalies or critical issues to operators to perform predictive analysis, corrective adjustments and or preventive maintenance.

“Cannon is dedicated to continuous innovation and the advent of IoT opened up enormous possibilities for the industrial sector and we seized this opportunity to give our customers a competitive edge,” said Maurizio Corti, Corporate Technical Director, Cannon Group. “The fitting of sensors is modular and reflects the complexity of our customers’ manufacturing plant, processes and systems thereby contributing to improved production efficiencies, output and reduced operating costs.”

Cannon’s FPL SR “Talking Head” can be equipped with the most suitable sensors to monitor specific customer needs such as performance, process repeatability and consistency and life cycle. Sensors can detect and analyse the fluidic parameters of the metering and recirculation of the chemical components, the opening and closing of the mixing chamber and of the discharge duct, the mixing phase and the high- and low-pressure recirculation steps that follow the mixing and pouring phase. In particular it can measure precisely the opening and closing stress of the self-cleaning rod.

The data-driven optimization of PU production processes provided by Cannon’s FPL SR “Talking Head” offers customers operational efficiency, diagnosis for corrective intervention, signals need for preventive maintenance to reduce costly machine downtime.

Cannon is exhibiting at Booth F14 at UTECH 2021 in Maastricht, the Netherlands (November 16-18).



About Cannon Afros

Cannon Afros, a company of the Cannon Group founded in the early 1960s, is the world's leading supplier of dosing systems, mixing equipment and processing technologies for polyurethanes and multi-components resins. Today Cannon Afros offers an extensive range of processing technologies for molding, pouring, injection, spraying, and manufacturing abilities dedicated to a comprehensive range of resins such as polyurethanes, silicones, elastomers, epoxy resins, phenolic foams, and bi-component adhesives. Cannon Afros design, manufactures and sells a vast range of equipment from single mixing heads and stand-alone units to complex turnkey and customizable production plants to serve the following main industrial applications: automotive interiors and exteriors, appliances and refrigerator insulation, rigid insulation for the cold chain industry and refrigerated transportation, building and construction insulation, sanitary ware, piping insulation for oil heating and district heating, technical components and medical equipment, flexible padding and seats for furniture and automotive industries, sealing and gluing for lighting and electrical enclosures, and encapsulation and potting for electrical and electronic components.

About Cannon Group

Founded in 1962, Cannon Group comprises 29 companies, with a global presence in more than 40 countries and is recognized as a market leader in technologies, processing and molds for polyurethanes and urethane elastomers for the plastics and composites industries. The Group designs and manufactures high- and low-pressure dosing machines and mixing equipment, for continuous slab and discontinuous molded polyurethane foams. Dedication to continuous innovation now positions Cannon Group as a driving force offering the design, manufacture, servicing, and maintenance of equipment also in other key technology areas including: Energy - industrial boilers for standard and special applications, comprising steam boilers, hot water heaters, heat recovery boilers, and thermal oil heaters, with in-house engineering and fabrication services; Water & Wastewater Treatment - deaerators, condensate treatment and recovery, effluent treatment plants, sanitary water treatment and sewage treatment, injection water treatment, demineralization, produced water; and Automation, where Cannon Group offers process digitization and condition monitoring, connect-IT and emissions monitoring. Cannon Group is committed to reducing the ecological footprint of all the Group's technologies and industrial processes offered to the market through energy efficiency, resource consumption reduction and emissions reduction. Cannon Group delivered net sales of €250 million in 2020. To learn more, visit www.cannon.com

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Photo: Cannon Group

