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Cannon Composite Technologies @ JEC World 2017

All Cannon Composite technologies will be on show at the JEC World 2017 Composites exhibition in Parc des Expositions Paris Nord Villepinte, Hall 5-A Stand Q54, on March 14-16, 2017. Their dedicated solutions for Composites mass production feature a full range of technologies and equipment, including Carbon fibre preformers, resin dosing units and mixing heads, polymerisation presses, moulds, Industry 4.0-compliant software and electronic controls, and ancillary equipment.

The most innovative solutions introduced by Cannon (www.cannon.com) for the manufacture of Carbon- and glass-reinforced Composites for all their possible applications include **complete manufacturing lines** for the mass production of thermosetting or thermoplastic Composite parts, all available from a **single, international, qualified source**.

Cannon dedicated solutions for the **Automotive, Aeronautics and Transportation** industries include:

- **Fully automatic glass and Carbon-fibre preformers**, supplied worldwide to major producers of the largest Composite parts used today, with cycle times suitable for the automotive industry.
- **Chemical dispensing units and dedicated mixing heads for Epoxy and Polyurethane resins**, using classic injection methods or innovative lay-down systems with multi-component formulations.
- **A new generation of presses** suitable for different technologies (HP RTM, Gap Injection, Compression Moulding, Pre-preg etc.) and different reinforcements (Carbon and glass fibres, non-woven PP, etc.), featuring an innovative active control system of platen's parallelism. The largest models, suitable for the production of wide parts for aviation and automotive projects, are currently delivered by Cannon to manufacturers based in Europe, China and USA.
- **Dedicated moulds**, available for the most complex and large Composite parts.
- The innovative **CRESIM (Carbon Recycling by Epoxy Special IMpregnation)** method for the manufacture of CFRP parts using **recycled Carbon fibres**. This solution offers a new, innovative manufacturing process which will potentially reuse up to 100% of the Carbon fibre waste and scraps from different industrial sectors, transforming a costly environmental problem of today in an opportunity of greening the processes and getting economic benefit for tomorrow.
- **A full set of handling and heating systems, safeties and electronic process controls**.

Press Release

www.cannon.com

The complete range of equipment designed for the **wind-power industry** includes:

- The dedicated **Cannon low-pressure DX machines, Epoxy resin dispensers** for the infusion of liquid formulations in the largest blades, manufactured for off-shore and conventional wind turbines.
- A **degassing unit** specifically designed to remove air from the resins and avoid the formation of bubbles in the cast parts.
- The dedicated **Cannon G-System glue dispenser** for the application of two-components adhesives on the edges of the longest blades produced today.

All the above mentioned turn-key solutions are today available for the Composite parts manufacturers based across the five continents: Cannon extended network of direct offices and agencies guarantees prompt local service, availability of spare parts, technical and marketing assistance in over 40 countries.

A qualified international team of specialists in Composites technologies will welcome all the interested visitors of JEC World 2017 at the Cannon stand: Paris Nord Villepinte, Stand Q 54, Hall 5-A - March 14 to16, 2017.

Pictures:



Fully automatic Cannon preformers for Carbon fibres are characterised by fast cycle times and wide platens sizes, suitable for the largest automotive Composite parts. [Square and vertical pictures available]



Dedicated Carbon unrolling dispensers are designed by Cannon according to each moulding project and preform characteristic.



Liquid Lay Down or Spray Lay Down dispensing technologies can be utilised with multi-component Epoxy and Polyurethane formulations



Complete manufacturing lines for the production of Composite parts are available at Cannon, from a single, qualified, internationally-based source.



Cannon supply chemical dispensing units and mixing heads dedicated to Epoxy and Polyurethane formulations.



The Cannon DX Epoxy resin dispenser for the infusion of formulations in the largest wind blades.

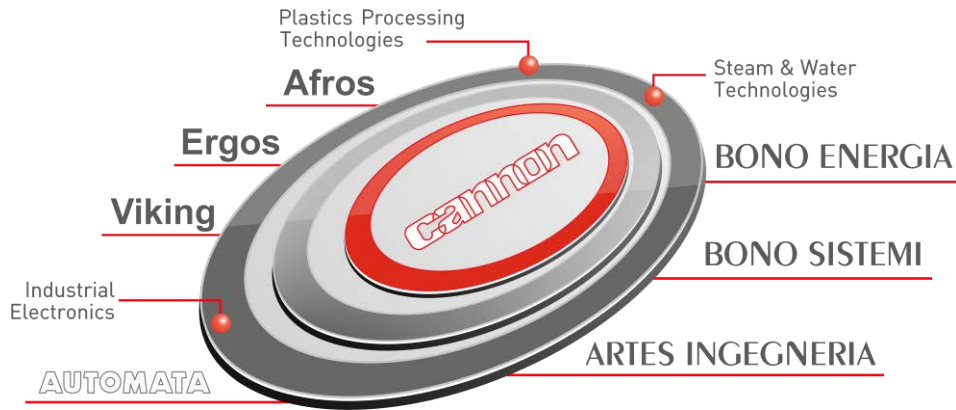


The Cannon degassing unit used to avoid the formation of air bubbles in the wind blades.



Cannon G-System - dispenser for two-component adhesives used for the largest wind blades.

About Cannon



Cannon is an international Group supplying worldwide a wide range of industries with dedicated engineering solutions. Main fields of activity are currently Plastics Processing Technologies (for Polyurethanes, Composites and Thermoforming), equipment for Energy & Ecology, Aluminium Die-casting machines, Industrial Electronic Controls.

Founded in 1965 to manufacture dispensing machines for Polyurethane foams, Cannon have soon reached - and maintain - the leading position in their market and extended their field of activities to other fast-growing sectors of the industry.

Diversifying into synergistic fields - within and outside the plastics processing technologies - Cannon offer a wide series of products and services to the industrial manufacturers: in addition to a complete range of plants and machines for continuous and discontinuous processing of Polyurethanes, Epoxy resins and other polymers obtained by chemical reaction (manufactured in Europe, USA, China and Japan) the Group supplies equipment for Thermoforming, Composite Materials, Aluminium Die-casting, Industrial Electronic controls, Industrial Boilers, Thermal Fluid Heaters, Water Treatment plants and solutions for the protection of the Environment.

After 50 years of successful activity, the range of industry-dedicated solutions available from Cannon grows every year!

For further info please visit the Group's website www.cannon.com