

State of the art and optimization of infusion and injection processes. More robust, more intelligent, less energy consuming and more economical processes....

The realization of infused parts for structures (aircraft, wind turbines) has become a technological and industrial challenge. Technologies are evolving and are being updated to be more energy efficient (out of autoclave, out of ovens), more durable (lighter but strong moulds), more ecological (reusable membranes), more productive (automation of fiber deposits). The materials and their deposition methods are progressing every day. These evolutions push the limits of the process.

This is why Isojet Equipements develops bi-component machines totally adapted to the new resins developed by HEXCEL, Solvay and Westlake for aeronautics and naval applications. Those high performance resins require a high performance 2K machine with variable ratio & flow, degassing system and a high performance heating system; like our DPE 2K that will be exhibited on our booth (Hall 6 B37) ...



In addition, in order to respond to market developments where the intelligent machine becomes essential, we work on our machines on a piloting of sensors located in the mould as well as on the piloting of the mould.

In our project called "DIVERSIFIONS" that we are finalizing with the company CORIMATEC , we work on a machine who would be able to influence the parameters during the process in order to have a good part in one-shot

We will be able to give many details on this project at the end of June2023.

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