



Automation



Matrasur Composites



Innovation: First robot in the composites industry copying out movements made by a operator

As an equipment supplier for over 30 years, Matrasur Composites has acquired extensive know-how in production processes for the composites industry. The first Robomat prototype was launched in France 5 years ago and is now available in a "low-cost" version.

Robomat is the first robot in the composites industry capable of spraying up different materials (release agent, gel-coat, barrier coat and resin & fibreglass) thanks to a continuous material supply system with automatic material change that feeds the desired material at a constant flow rate and controlled temperature.

The innovation lies in its programming technology based on a robot that reproduces all the movements made by the operator. Thanks to the robot's carbon design which makes it very lightweight, the operator does not need any specific programming skills to spray-up as easily as he would using a standard spray-up machine during the programming phase.

The potential for the use of automation in the composites industry remains high and still poorly investigated to date. This represents a source of competitiveness for all companies through the integration of a turnkey approach that would provide optimized production flow while meeting sustainable development requirements.

The robot is available in 6-, 8- or 10-axis configurations depending on the needs. It offers raw material savings, great productivity with high quality and improves operator safety.

