



„Taking it easy under high pressure“ – successful appearance at the JEC Composites

Hennecke GmbH's composites specialists can look back on an extremely successful performance at the world's leading exhibition for the composites industry in Paris. Apart from a new technology that allows fillers to be processed in the reactive PU mixture, the focus of visitor interest was on a high-pressure process for the production of fibre-reinforced structural components.



Great interest in the HP-RTM technology – Hennecke's presence at the JEC 2011

Hennecke's appearance at last year's JEC-Composites in Paris already proved to be a great success. Thanks to continuous research and development and the modular expansion of the product portfolio, the engineers always succeed in identifying new fields of application for producing and using composites. At this year's JEC, Hennecke was able to fascinate its visitors with two equally significant innovations in process engineering from the area of spray technology, or integrated systems. Special interest was aroused by an engineering approach that responds to the growing requirements regarding efficiency and environment in the

automotive sector - the manufacture of fibre-reinforced structural components in the high-pressure-RTM-process (HP-RTM). In contrast to the classical RTM process, this new technology enables the reactive mix to be quickly injected into the cavity. This means that curing times are extremely short and thus guarantees optimized cycle times for the whole process, allowing even high numbers to be produced in an appropriate way.

Another trend-setting innovation enables the use of fillers in reactive PU mixtures. Unlike the batch process where the filler is added to a medium component before the components are mixed, fillers can now be fed in an air stream and injected into the mixing chamber during the mixing phase. The Solid Injection by Airstream (SIA) technology opens up completely new fields of application to the processor.

Apart from the new technologies, Hennecke also wanted to convince customers with advanced sample parts from the automotive and sanitary sectors that are implemented with its famous PUR-CSM spray technology (Polyurethane Composite Spray Moulding). For this purpose, light and yet extremely robust sandwich composite parts with honeycomb structures were on display at Hennecke's booth.

Further information and public relations

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