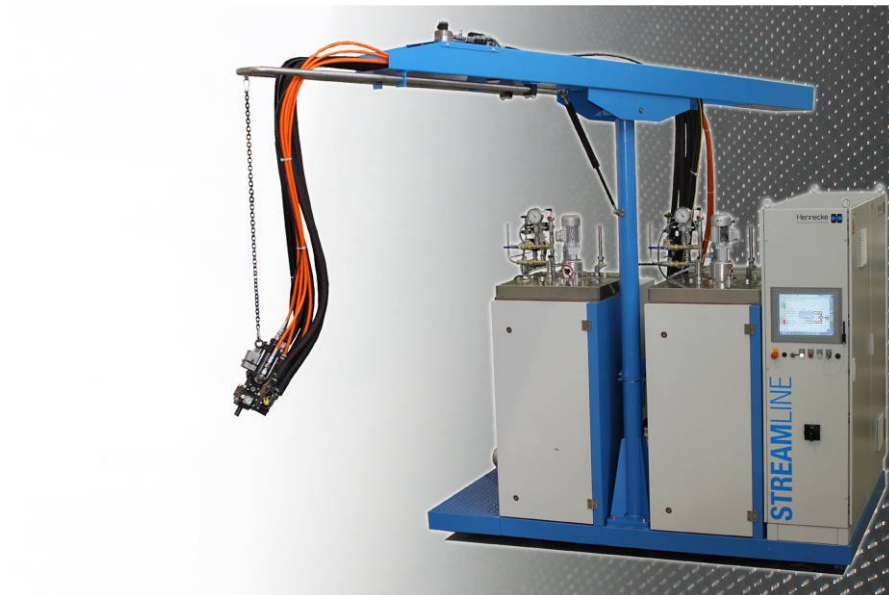


Carbon Composites / 17 November 2011 in Augsburg

## High pressure meets lightweight – Hennecke at CARBON COMPOSITES

On the theme of „high pressure moulding meets lightweight design,“ Hennecke GmbH's composites experts are determined to convince visitors at the CARBON COMPOSITES trade show of the many benefits of their new Resin Transfer Moulding (RTM) process variant which permits volume manufacturing of ultralight high-performance parts.



Ample scope for the manufacture of high-performance parts: the new STREAMLINE system for RTM applications embodying the new high-pressure technology (HP-RTM)

Given today's rising demands on efficiency and ecological performance, lightweight design solutions have been attracting ever growing interest in the automotive industry, especially in the very recent past. One process that has moved into the focus of attention in this context is Resin Transfer Moulding (RTM). Now, Hennecke can boast a breakthrough innovation in this RTM technology which, in terms of automation levels and cycle time, ensures its unrestricted suitability for high-volume manufacturing. The so-called 'high-pressure RTM' (HP-RTM) process differs from classic RTM in

that it involves the injection of specially adapted raw material systems into the closed mould at high pressure. This makes for an accelerated reaction and exceptionally short curing times; as a result, the method holds great appeal for an automotive industry in urgent quest for technologies consistent with rapid-cycle volume manufacturing. At the CARBON COMPOSITES trade show, Hennecke will also inform users about STREAMLINE, their tailor-made HP-RTM processing system which is perfectly adaptable to any application environment thanks to its modular design. Another key topic will be the potential and resources of Hennecke's in-house TechCenter where the mechanical engineering company offers interested customers and raw materials partners plenty of scope for moulding and testing high-performance components and progressing their products to the volume production stage.

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