Thursday, 18 June, Open Technology Forum

11:20 - Metal injection moulding components as an effective weight-reduction alternative

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Metal injection moulding is a well-established manufacturing method for precision components in a multitude of applications. Due to the wide variety of usable materials (including titanium and other lightweight alloys), outstanding design possibilities and good mechanical properties, it is a perfect option for lightweight constructions. The talk will give an overview of the process and point out its possibilities and limitations. The lightweight options will be illustrated in two case studies: a lightweight air-conditioning flange and a fastener designed for the attachment of high-performance carbon structures.

lightweight air-conditioning flange