Retrospect: 20th Workshop Hot Stamping

On November 20th, the 20th Workshop Hot Stamping took place at NMF. We were delighted to welcome over 60 participants to our conference facilities for this anniversary event. The engaging presentations from industry and research provided an overview of the development of press hardening over the past 20 years of the Workshop Hot Stamping and also showcased the latest trends for the future. We would like to thank the speakers from thyssenkrupp Steel Europe, voestalpine Additive Manufacturing Center, InfraTec, ArcelorMittal, DYNAmore, Volkswagen, BMW, NSM Magnettechnik, Fagor Arrasate, as well as the research contributors from Fraunhofer IWU, IFUM, and LFT. New solutions were also presented by InfraTec and voestalpine High Performance Metals in the accompanying exhibition. A guided tour of NMF's technical halls allowed participants to gain an overview of activities in other areas as well.

SAVE THE DATE: We look forward to welcoming you again to the 21st Workshop Hot Stamping in Fürth on November 19, 2026!

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Retrospect: Formnext 2025

Technical progress in the field of powder bed-based additive manufacturing is linked to electron beam technology. The use of backscattered electrons for optical imaging and the possibility of very fast beam deflection by electromagnetic lenses are outstanding examples of the enormous potential of the technology. In particular, the speed of the electron beam enables us to develop advanced spot melting strategies for producing well-designed microstructure and properties, regardless of the component geometry.

Latest PBF-EB machines (PBF-EB: powder bed fusion via electron beam) make these advantages available on an industrial scale. As part of the Formnext 2025, which took place in Frankfurt a. M. from 18 - 21 Nov. 25, we were able to give insights into the cooperation with pro beam and the spot melting strategy.