

PRESS RELEASE

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ATV Technologie GmbH gets funding from Federal Ministry for Economic Affairs and Energy (BMWi)

In collaboration with the Federal Institute for Materials Research and Testing (BAM) ATV is developing modular functional enhancements for sintering presses within the scope of a joint venture for the purpose of processing highly integrated LTCC multilayers

"We have long-term experience with the development and construction of high-end process furnaces with ultra-precise temperature control and excellent temperature homogeneity, in particular for the fields of semiconductor technology and microelectronics." The Federal Institute for Materials Research and Testing contributes to the project through its materials and process-related expertise regarding the design, production and application of ceramic multilayers.

The new generation of LTCC sintering presses aims to satisfy the current technological trends by facilitating pressure sintering of highly integrated ceramic multilayers (multi-material multilayers with cavities, ceramic functional layers, optical fibres) with a zero-shrink process through improved construction and innovative regulation by repeated measurements, says Dr.-Ing. Ventseslav Rangelov (Technical Director, ATV Technologie GmbH).

Managing Director Gabriela Glatte-Friedl has identified key benefits of the project such as opening up new market segments in the fields of sintering presses for low-temperature multilayer ceramics as well as safeguarding the future of the product by enhancing the technological development status. Moreover, the development of a completely new type of shaping process, i.e. sinter press forming, will not only extend the applicability of the pressure sinter technology but also expand the customer base regarding correspondingly equipped sintering presses.

Gefördert durch:



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