

New family member:

VITROPERM 550 HF

Pressekontakt:

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Hanau – VACUUMSCHMELZE (VAC) is exhibiting first cores and common mode chokes made of the nanocrystalline material VITROPERM[®] 550 HF at PCIM. The newly developed alloy enables next-generation components with optimized size and weight.

The constant demand for smaller and lighter systems is also a challenge in power electronics. With the material innovation VITROPERM 550 HF low-cost cores, chokes or power transformers in compact design for demanding requirements can be realized. The components show a significantly improved high-frequency behaviour compared to solutions made of VITROPERM 500 F or typical EMC ferrites.



Common mode
choke in cost-
effective design

Applications for the high-performance materials are e.g. switched mode power supplies, wind or solar inverters and frequency converters. In the automotive sector, common mode chokes in the drive train offer enormous advantages in size - components that are up to 60% smaller can be produced cost-effectively. Furthermore, power transformers with significantly reduced core losses can be realized for the use in wall boxes or in on-board charging systems for charging electric vehicles.

VAC will be exhibiting at PCIM in Hall 7, Stand 7-123 from June 5 to 7.

VACUUMSCHMELZE GmbH & Co. KG

VACUUMSCHMELZE (VAC), based in Hanau, has 4,300 employees worldwide, 1,450 of whom are in Hanau. The company designs, produces and markets advanced materials, particularly with magnetic, but also with other physical qualities as well as related products. In 1914, the first vacuum furnace laid the foundation for today's

VACUUMSCHMELZE. Industrial vacuum melting techniques for alloys have been in operation since 1923.

VAC Group today achieves annual sales of approx. 380 million euros in over 50 countries and is holder of around 800 patents. The company is among the world's most highly innovative developers of advanced industrial materials.

VAC's range of products comprises a broad array of advanced semi-finished materials and parts, inductive components for electronics, magnets and magnet systems for use in a wide variety of fields and industries spanning watch-making and medical technology, renewable energies, shipbuilding, installation technology, automotive and aviation. VAC's custom solutions are developed in close collaboration with the customer, reflecting the company's expertise in materials, applications and state-of-the-art production technology.

For more information, visit www.vacuumschmelze.com

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