

Stanztec 2009 – VAC's first attendance of Pforzheim exhibition:

VACUUMSCHMELZE presents rotor and stator assemblies made of VACOFLUX®/VACODUR® for high-performance electric motors and generators

Press Contact:

No.: 08/09

Hanau, 8th May 2009

Helmut Dönges

VACUUMSCHMELZE GmbH & Co. KG
Tel. +49 (0)6181 / 38-0
Fax +49 (0)6181 / 38-2645
Helmut.Doenges@vacuumschmelze.com

Cornelia Krannich/ Stefan Ehgartner

Trademark PR GmbH
Goethestraße 66
D-80336 München Tel. +49 (0)89 / 444 46 74 55
Fax +49 (0)89 / 444 46 74 79
cornelia.krannich@trademarkpr.eu
stefan.ehgartner@trademarkpr.eu

Kontaktadresse für Leseranfragen:

VACUUMSCHMELZE GmbH & Co. KG
Postfach/P.O.B. 22 53
D-63412 Hanau
Tel. +49 (0)6181 / 38-0
Fax +49 (0)6181 / 38-2645
info@vacuumschmelze.com
www.vacuumschmelze.com

Hanau / Frankfurt – VACUUMSCHMELZE GmbH & Co. KG (Hanau) will present its products at the Pforzheim exhibition Stanztec (16 – 18 June) for the first time. The company's presentation at stand A77 will focus on rotor and stator assemblies made of cobalt-iron alloys VACOFLUX®/VACODUR® designed for high-performance motors and generators. VAC also provides a unique combination of expertise and versatility with respect to materials and their optimum processing methods, enabling VAC to supply the optimum material and appropriate processing method and expertly meet customers' requirements from a single source. Particularly where innovative developments are involved, VAC is an ideal partner in the implementation of optimized end-to-end solutions.

The product range of VAC includes more than 100 different alloys, primarily nickel-iron and cobalt-iron-based magnetic materials. Visitors of the Pforzheim trade show will have the chance to explore the company's broad range of components made from its own magnetic materials. The production capability of VAC includes stamping with progressive and multiple step dies, bending, wire-edm and laser cutting technologies, high speed cutting, coating, heat treatment and is complemented by special coating and gluing techniques. The production of lamination stacks and parts with highest demands on magnetic and mechanic properties for various applications is standard for VAC, as well as is the production of customized designs to meet special high end requirements of our customers.

VAC's magnetic materials are used in a wide variety of industries, including automation, automotive, aviation, medical and installation technology sectors.



High-strength yet flexible – DURACON[®] spring and contact alloys

In addition to its well-known magnetic materials, VAC also manufactures high-strength spring and contact alloys. The newest of these is DURACON[®]. A iron-nickel-cobalt alloy combining high strength and good conductivity, DURACON[®] is an excellent substitute for copper beryllium (CuBe2); however, unlike CuBe2 DURACON[®] contains no toxic or hazardous elements. Further advantages of DURACON[®] are its outstanding flexibility and extreme temperature resistance up to 250 °C, enabling the material to be used in miniaturization applications. By significantly reducing the dimensions of contact systems (connectors, contacts, relays etc.), savings in both contact material and related components (e.g. housings) can be made.

VACUUMSCHMELZE GmbH & Co. KG

VACUUMSCHMELZE (VAC) with 1,400 employees in Hanau, 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 around 325 million euros in over 40 countries and is holder of more than 600 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 products, components, parts, modules and systems for use in a wide variety of fields and industries spanning watch-making and medical technology, regenerative energies, shipbuilding and the automotive and aviation industries. VAC's custom solutions are developed in close collaboration with the customer, reflecting the company's expertise in materials and state-of-the-art production technology.

Find out more at www.vacuumschmelze.com