

Unspoilt environment

Press contact:

Nr.: 11/18

Hanau, July 20, 2018

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View into an Advanced MSR

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Hanau – Magnetically Shielded Rooms (MSR) are widely used in basic and applied research. They attenuate the influence of low-frequency interference caused, for example, by railway lines, elevators, vehicles, transformers or radio signals. VACUUMSCHMELZE (VAC) has already built up more than 150 cabins in almost 40 years and thus has unmatched experience in the conception, planning and execution of shielding cabins for the most diverse requirements.

In addition to the three standard variants Basic, Advanced and Premium, high-end customer-specific designs can be realized.

The right solution for all requirements: The Basic cabin is weight- and cost-optimized and suitable for installation in upper levels. The two-layer Advanced cabin also shields at higher frequencies and the Premium cabin with an additional MUMETALL[®] layer is used for above-average magnetic environmental noises.

The full vertical integration from melting of the alloy to the assembly of the finished cabin out of one hand has proven to be a key success factor to ensure consistently the best magnetic properties and most efficient project management.

The team of shielding specialists will be present at BIOMAG 2018 in Philadelphia/PA from August 26 to 30.

„The latest trend in the use of optically pumped magnetometers requires uniform low residual field within the Magnetically Shielded Room. Our rooms provide the optimum precondition for this kind of application.” says Lela Bauer, Product Management specialist at VAC.

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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