# Press Information

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**Contact**

**yes or no Media GmbH**

Claudia Wörner
Vor dem Lauch 4
D - 70567 Stuttgart
Phone +49 711 75 85 89 00
claudia.woerner@yes-or-no.de
[www.yesorno.de](http://www.yesorno.de/)

Anika Adams

MM Communications

Phone +49 6408 84-6842
anika.adams@weiss-technik.com

Weiss Technik GmbH
Greizer Straße 41-49
35447 Reiskirchen
Germany
[www.weiss-technik.com](file:///%5C%5C192.168.178.113%5Cyon%5CKunden%5CWeiss%20Umwelttechnik%20GmbH%5CProjekte%5C2662%20Weisstechnik%20Danfoss%20R469A%20Fachartikel%5C2662_1%20W_T%20Danfoss%20R469A%20PI%5CText%5Cwww.weiss-technik.com)

Drying room systems from Weiss Technik
**Best climate for strong battery cells**

**Drivers in the race for the best electric drives today are storage batteries with maximum capacity. Weiss Technik equips battery cell manufacturers with dry room systems that ensure the highest quality standards. The supplier, known among other things for its environmental simulation technology, configures customised systems for battery cell production.**

Humidity in the production facilities reduced to a minimum is the key to long-lasting and powerful lithium-ion batteries. In this task, Weiss Technik benefits from the company's many years of experience in creating ideal climatic conditions even under the most extreme conditions. Dry room systems from Weiss Technik dehumidify the room air in battery cell production to a residual water content of up to 0.001 grams per kilogram of air. This corresponds to a dew point of -70 degrees Celsius.

To keep the production climate constant under all conditions, the battery cell production chambers are hermetically sealed off from the outside climate. Dry room systems from Weiss Technik first cool down the ambient air in the production area, whereby a large part of the moisture condenses. In a second stage, specially coated drying wheels remove the residual moisture until the desired value is reached. To keep the climate in the drying chamber system constant under all conditions, the system generates a slight overpressure. This protects the chamber from the penetration of more humid outside air.

Weiss Technik plans its drying room systems individually according to customer requirements. One of the plant manufacturer's specialities is the integration of climate chambers into existing building structures. Weiss Technik integrates the dehumidification technology and the architecture of the drying room from a single source in the production of battery cells, which are planned from scratch. Weiss Technik is currently the only system manufacturer to offer complete solutions for all ventilation, air purification and dehumidification technologies in relation to special climate requirements. New systems can thus be planned at optimal cost.

After commissioning their plants, battery cell manufacturers benefit from a comprehensive support package. The technical service can be reached by telephone around the clock and is on site within 24 hours on working days. The maintenance contracts with Weiss Tech-nik can be customised for the customer, and spare parts are available overnight from a central warehouse.

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**The Weiss Technik companies**

The Weiss Technik companies include the product areas of environmental simulation, heating technology, air conditioning technology and pharmaceutical technology (**www.weiss-technik.com**). Customers receive solutions and products that are used in research and development as well as in production and quality assurance. A strong sales and service organisation with 22 companies in 15 countries at 40 locations supports the customers and ensures the operation of the systems - around the globe. The Weiss Technik companies are part of the Schunk Group based in Heuchelheim near Gießen.

**Schunk Group**

The Schunk Group is a globally operating technology company with a global business unit structure. The company is a leading supplier of products made of high-tech materials – such as carbon, technical ceramics and sintered metal – and machines and systems – from environmental simulation and air conditioning to ultrasonic welding and optical ma-chines. The Schunk Group has more than 9.100 employees in 29 countries and achieved sales of €1.35 billion in 2019.