



Modular and future-proof: KUKA and Webasto revolutionize battery production

Augsburg, April 8, 2021 - Experts from KUKA and Webasto discussed the mobility of tomorrow in KUKA's digital press conference series "Join us for a coffee...". The focus was on intelligent automation in electromobility.

At the beginning of the virtual discussion round, Dr. Joachim Döhner, Battery Senior Director Global Sales at KUKA, and Christian Gallner, Director Plant Schierling at Webasto, spoke about the mobility transformation and the resulting strategic realignment of the two partners: "Our dual strategy involves, on the one hand, consistently strengthening our existing core business areas of roof and thermal and, on the other, developing new business areas that fit our competence profile. The focus here is on electromobility," says Christian Gallner. "In addition to high-voltage heaters and battery systems, the product portfolio also includes charging solutions for private and automobile manufacturers."

Mobility 2.0: Electric, flexible and intelligent

One thing is clear: The energy concept of the future is inconceivable without electromobility. The transformation of the automotive industry is in full swing worldwide. KUKA and Webasto are also facing up to the new challenges in order to pave the way for more sustainable, climate-friendly, intelligent and low-emission mobility.

"The further development of electromobility is a forward-looking topic and batteries from Germany and Europe will contribute to climate-friendly mobility," says Dr. Joachim Döhner. "We will meet the resulting increasing requirements for speed, flexibility, profitability and value creation with modular and automated manufacturing and logistics processes."

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KUKA and Webasto have already taken the first joint step: The realization of a production system for battery systems that ensures the essential components of Industrie 4.0 as well as extremely versatile production.

State-of-the-art manufacturing: Technology of the highest precision

At the Schierling plant of Webasto in the district of Regensburg, Bavaria, production of battery packs for a European bus manufacturer has already started. With the highly flexible Multi-Product-Line, the partners have created one of the most modern production systems for battery systems. "Since the end of 2019, we have been able to produce up to 40,000 battery systems per year," Gallner explains. "Our technology plant in Schierling is now a blueprint for other Webasto battery plants, such as in Dangjin, Korea."

The special feature of this plant? The realization of the three essential core aspects of matrix production: extremely versatile production. Flexible plant interlinking with personnel-safe automated guided vehicles (AGVs) ensures greater flexibility and open floor space. The separation of logistics and production through a kiosk concept enables variable parts logistics. And last but not least, modularity: modular production stations ensure production cells that can be configured and expanded at any time.

"With the Multi-Product-Line at Webasto, we have realized a production system that both consistently implements the requirements of Industrie 4.0 in the context of industrial production and ensures the decisive competitive advantage," explains Dr. Döhner.

The key to success: Combined engineering and market expertise

KUKA and Webasto have been working together as partners since 2002 and have been involved in a number of roof production projects. "With regard to the creation of the line, it was important for us to have a high level of protection for the manual workers; on the other hand, we required robust automation solutions for our core processes," says Gallner. "With KUKA, we have an experienced partner from the region that serves exactly these requirements."

In battery production, KUKA specializes in module and pack assembly, including end-of-line testing. KUKA also specializes in the assembly of electric motors and all components for the electric powertrain. Furthermore, fuel cell technology is an additional focus of activities. Quality, flexibility, robustness and digitalization are always the top priorities.



"The joint long-term cooperation with Webasto has made this great and forward-looking project possible. We are proud to be able to contribute to the energy concept of the future - electromobility," concludes Dr. Döhner.



Dr. Joachim Döhner, Battery Senior Director Global Sales at KUKA Christian Gallner, Director Plant Schierling at Webasto

You can also find pictures related to the press release in our [KUKA media library](#) (source for all pictures: KUKA Group).

KUKA

KUKA is a global automation corporation with sales of around 2.6 billion euro and roughly 14,000 employees. The company is headquartered in Augsburg, Germany. As one of the world's leading suppliers of intelligent automation solutions, KUKA offers customers everything they need from a single source: from robots and cells to fully automated systems and their networking in markets such as automotive, electronics, metal & plastic, consumer goods, e-commerce/retail and healthcare. (As at December 31, 2020)

About Webasto

The Webasto Group is a global innovative systems partner to almost all automobile manufacturers and among the top 100 suppliers in this industry sector. The company's product portfolio comprises a broad range of roof and heating systems for every type of vehicle and all drive types as well as battery systems and charging solutions. Moreover, Webasto has a strong position in the aftermarket providing dealers and end customers with customized solutions and services relating to thermo management and electromobility. In 2019 the company generated sales of around 3.7 billion euros and had almost 14,000 employees at more than 50 locations (with over 30 of these being manufacturing plants). The headquarters of the company, founded in 1901, is located in Stockdorf near Munich (Germany). For more information, please visit www.webasto-group.com / www.twitter.com/WebastoGroup