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# Kautex Textron GmbH & Co. KG Receives Lingxuan Innovation Award

**SHANGHAI, CHINA (19 JANUARY, 2023)** – [Kautex Textron GmbH & Co. KG \(Kautex\)](#), a Textron Inc. (NYSE: TXT) company, announced it received a Lingxuan Innovation Award for its Pentatonic battery system. The award was presented at their annual Award Ceremony on 22, December in Wuhan, China. The event was attended by more than 400 hundred automotive companies from across China.

The Lingxuan award is determined by several key criteria:

- Innovative or improved technology
- Benefits: emission reduction, safety, production efficiency, etc.
- Probability of mass production in terms of development maturity, segment opportunity, preparedness for start of production (SOP)
- Industry impact at SOP

The Pentatonic battery system, Kautex's latest innovation, is constructed from lightweight thermoplastic composite in a one-step molding process. The enclosure offers numerous advantages to OEMs, including a reduced carbon footprint (an average of 55% compared to aluminum housings), a one-shot production process allowing direct feature integration and inherent protection from corrosion and leakage versus its metal counterparts.

"We are honored to be recognized by Lingxuan at their annual event," said Xiaoning Ni, vice president, Sales, Customer Engineering and Program Management at Kautex's regional headquarters in Shanghai, China. "This award recognizes the transformation that Kautex is undergoing to offer its customers innovative, useful solutions in the era of electrification. It also celebrates the dedication and commitment of our employees who have made this moment possible."

Part of the award criteria is the potential to mass-produce the product and the company's readiness for production. To ensure the company was prepared to design and produce battery systems for customers world-wide, Kautex purchased and installed its first 5500-ton compression molding machine at its manufacturing plant in Pinghu. The team is finalizing the official acceptance of the equipment in preparation of customer visits and trials. Additionally, the Pentatonic battery system recently underwent rigorous testing in accordance with internationally recognized standards including the Chinese GM38031 standard and the ECR R100 from the Economic Commission for Europe (ECE). The system successfully met the requirements for numerous tests including mechanical shock, crush, drop, vibration and bottom impact testing.

"The Kautex team has taken a 360-degree approach to the design, development and preparation of Pentatonic," said Bear Yuan, senior sales manager in China. "We developed robust design simulations, undergone rigorous third-party testing, purchased a compression molder for trials and customer testing, and installed a Kautex-designed battery system in a demonstrator vehicle in Europe. All of these investments were taken to prove the value and technical feasibility of thermoplastics as a reliable, innovative option to the existing enclosure solutions."

Lingxuan is a nationwide platform in China connecting OEMs and suppliers to foster communication and collaboration. The selection committee is comprised of purchasing and engineering heads of numerous mainstream and new mobility OEMs in China.

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#### ABOUT KAUTEX

At Kautex, we are driving the future. As a Tier One automotive supplier with more than 30 plants in 13 countries, Kautex designs, develops and manufactures traditional and hybrid fuel systems, advanced cleaning solutions for assisted and autonomous driving, engine camshafts and plastic industrial packaging solutions. A pioneer in the design and manufacture of automotive plastic fuel systems, Kautex is expanding its portfolio to offer smart products and data-driven services to our customers, including thermoplastic composite and composite-metal hybrid battery systems. From a lightweight battery system to a hybrid fuel system to autonomous drive vehicle cleaning systems, Kautex is committed to pioneering solutions for the era of new mobility.

Our employees are part of a global community committed to solving customer needs, leveraging diverse skillsets, making sustainability a differentiator, embracing the diversity that is part of a global, multi-industry leader and creating an environment where employees can build a dynamic career. Together, we are reimagining the future of mobility.

#### **About Textron Inc.**

Textron Inc. is a multi-industry company that leverages its global network of aircraft, defense, industrial and finance businesses to provide customers with innovative solutions and services. Textron is known around the world for its powerful brands such as Bell, Cessna, Beechcraft, Hawker, Jacobsen, Kautex, Lycoming, E-Z-GO, Arctic Cat, and Textron Systems. For more information, visit: [www.textron.com](http://www.textron.com)

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