

AUTO SHANGHAI 2021

ElringKlinger showcases innovations for all drive types

Shanghai, Dettingen/Erms, April 21, 2021 +++ At AUTO SHANGHAI 2021, ElringKlinger will be showcasing suitable solutions for vehicles of all drive types - be they classic combustion engines, hybrids or purely electrically powered cars. In addition to innovative gaskets and thermal and acoustic shielding systems, the company will be presenting complete fuel cell stacks and components, products from the field of battery technology and components for use in electric drive units. Extensive safety precautions will be taken at the booth so that visitors can enjoy their stay even in times of pandemic.

The automotive industry is in a state of flux. In addition, the world has been in a state of emergency for over a year now. "It is all the more pleasing that we can once again come into direct contact with our customers this year. This important trade fair offers a first-class platform to take a step back into normality. It is nice that we will be able to present a number of premieres at our booth this year," says a delighted Humphrey Chen, General Manager of ElringKlinger China Ltd.

These include various products from the field of **fuel cell technology**, for the first time also of the newly founded joint venture **EKPO Fuel Cell Technologies**. The "NM12 Single" fuel cell stack module (PEMFC) with 359 cells based on metallic bipolar plates with an electrical output of 123 kWel is designed for high power requirements. ElringKlinger will also be exhibiting the "NM5-EVO" fuel cell stack module (PEMFC) with integrated system functionalities. This 335-cell stack module has an electrical output of 76 kWel and can be used for integration into drive systems as a fuel cell-battery hybrid system or range extender. "Especially in China, our fuel cell stacks are a competitive alternative to battery electric drives or the internal combustion engine due to their high performance," Chen explains.

Two battery modules and production-ready components

In addition to its long-standing expertise in the field of fuel cells, ElringKlinger has also been active in the area of **battery technology** for a good decade. As part of AUTO SHANGHAI 2021, the company will be presenting two different battery modules - a 48 V module made of prismatic lithium-ion cells and a 60 V module made of cylindrical lithium-ion cells for integration into a battery storage system up to a total system voltage of 400 V. "In addition, there are various components on display at our booth that underscore the fact that ElringKlinger also has broad-based expertise in this area. In addition to pressure equalization elements for protecting battery storage housings, these include cell contacting systems that are used in traction batteries for hybrid and battery-electric vehicles," Mr. Dirk Schneider, Vice President of Sales AP explains in detail.

Wide range of products for the modern combustion engine

Despite the increasing shift towards alternative drive technologies, the modern combustion engine will also still play an important role in the coming years. ElringKlinger has more than 100 years of experience in the field of **gasket technology** and has, for example, developed the cylinder-head gasket into a high-tech product over time. There are several examples of this to look at.

From the field of **shielding technology**, various ElroActive™ systems (thermal shielding) and ElroShield™ systems (thermal and acoustic shielding) will be on display at AUTO SHANGHAI 2021.



Lightweight plastic components are used in all vehicles, regardless of their powertrain type. These include cockpit cross members and a door module carrier made from thermoplastic composites and plastic injection, which can be viewed.

Extensive hygiene concept at the booth

To ensure that all visitors feel safe, ElringKlinger has taken **various precautions**. "The safety of all is important for us - for our customers, visitors at our booth and teams organizing and executing the exhibition. Therefore we will organize special prevention in helping social distancing, face masks protection and assure hygienic prevention in order to make this event not only a success in terms of business but also a good example for getting back to business together with the challenging pandemic threats," says Chen.

ElringKlinger at AUTO SHANGHAI 2021

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