

February 2022 – KACO grows portfolio for static sealing solutions



File 1: Gakset from KACO and Solyem SAS

The expert for sealing solutions continuously expands its portfolio for static sealing solutions. Besides the core competences in dynamic sealing and other product groups like venting, deflation, hydraulics, trigger wheels and others the company's engineering footprint for various designs of gaskets has been established.

KACO offers a wide range of static seals. From pure molded rubber parts, so called press in place gaskets (PIP), to various designs bonded to carrier components, we offer the right solution for static sealing tasks. Specific requirements such as ease of assembly, functional integration or EMC protection are met according to the application. Furthermore different kinds of composite gaskets are a part of the portfolio enabling KACO to offer highly integrated system solutions.

Based on the requirements of the applications the best suitable material is available in the portfolio. Materials like FKM, ACM/AEM, HNBR, EPDM or silicone are matched for the need of the sealing tasks. Depended on the customers' expectations KACO can offer solutions for flat sealing surfaces or grooves in the housing. For safely sealing bores or holes cap seals are available for various applications. KACO will help their customers to find the best static sealing design with regard to functionality, handling and cost. Based on state of the art CAE tools the sealing expert helps to customize the interface of sealing and housing.

In the global R&D centers different tests are available support the engineering work of static seals as well as for dynamic seals and other products.

KACO also offers static sealing solutions by being the sales representative for Solyem. The focus here is the so called LEM technology for creating carrier based gaskets with the opportunity to install specific features. Both companies are subsidiaries of the Zhongding Group working closely together. Solyem SAS has been specializing in static sealing systems for the automotive industry for over 100 years. LEM seals allow an easy and quick manual or automatic assembly. This technology is partially able to win as a sealing solution where other designs are limited. For example small installation space or non-perfect surface conditions finally end up with LEM as the best choice.

„The approach of KACO is to offer one-stop-shop solutions to our customers. By having expanded our portfolio with a wide range of gaskets and static sealing products we are now able to offer nearly any kind of sealing technology. Besides the competences of KACO that have been transformed to a bigger portfolio i am happy that we can also include Solyem's knowledge and products to an overall static sealing portfolio. Since more than one century, Solyem has always demonstrated its capacity to adapt and to innovate for beeing a strong and efficient supplier to several industries like passenger vehicles, trucks, industrial vehicles, original equipment or after market. Besides classical automotive applications (e.g. engines, auxiliaries and gearboxes) we can also offer “green” applications for

electrical vehicles, fuel cells and other applications. The static sealing portfolio helps us to drive the mobility of tomorrow as well as providing solutions for any kind of industry”, explains Vice President Engineering Andreas Genesisius.

KACO GmbH + Co KG, a subsidiary of the Zhongding Group, is one of the world's leading developers and manufacturers of high-precision, application-oriented sealing solutions for the automotive and engineering industries. The company, which is based in Germany, is characterized by the highest sealing quality and innovative strength and stands for recognized development and manufacturing expertise. KACO has six plants in Germany, Austria, Hungary, China and the USA and delivers its products all over the world. As a close partner of the automotive industry and its suppliers, the company has been keeping pace with the high demands and technical changes in the industry for decades.

The data and values listed here were determined under model and laboratory conditions. They do not represent assured properties, guarantees or warranties. The validation of the products in the respective application, their performance and their suitability for a specific purpose is in the responsibility of the user.