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## Electromotor housings for China: Rheinmetall Group wins major order in the field of electromobility

An internationally operating maker of premium automobiles has awarded HASCO KSPG Nonferrous Components (Shanghai) Co., Ltd. (KPSNC), a joint venture of Rheinmetall, a major order for electromotor housings. The housings, designed for a water-cooled synchronous motor with four different performance levels, will be installed in the OEM's entire fleet of electrically powered vehicles.

Worth a three-digit million-euro lifetime total, the contract extends for a period of six years. Serial production commences in June 2023 at the KPSNC plant in Guande in China's Anhui Province, where the sophisticated components will be cast and finished.

Encompassing KS HUAYU AluTech GmbH in Germany and KPSNC in China, Rheinmetall's aluminium casting unit has accumulated decades of experience in producing highly complex aluminium cast parts, expertise which it is now putting to work in the expanding market for electrically powered vehicles. This new type of drive requires a multitude of completely new components, including housings for batteries and electromotors. Due to their complexity, casting is the preferred method for constructing these parts. Because the batteries in a hybrid or e-vehicle are comparatively heavy, keeping the rest of the components as light as possible is imperative. This is why, besides lightweight steel materials, aluminium housings are primarily used.

### ► Key facts



- Major order for electromotor housings
- Lifetime sales in the three-digit million-euro range
- Serial production starts in 2023
- Aluminium casting expertise for electric drives

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