

Press release

New DC Motors from the GXR and SXR Families in the FAULHABER Portfolio

Compact Powerhouses with Versatile Configurability

With the expansion of its product portfolio, FAULHABER is introducing several new additions to its range of DC micromotors: the high-performance motors of the new GXR series 1437 with copper-graphite commutation, as well as precious-metal-commutated motors of the proven SXR series in sizes 1424 and 1437. Designed for maximum reliability and flexibility, these drives open up new possibilities for modern, space-saving drive solutions.

With a diameter of 14 mm, the new models are perfectly matched to the modular FAULHABER product range – including seamless compatibility with planetary gearheads and magnetic encoders. Product Manager Dario Del Favero explains: “With the new 14-mm motors, users no longer have to compromise on compactness, functionality, or performance. In combination with the precisely matched 14GPT gearhead and the IEP3 encoder, a diameter-compliant complete solution is created, delivering optimum efficiency and maximum dynamics.” Thanks to the precise coordination of components, developers and engineers benefit from perfectly harmonized synergies from a single source.

Robust, Durable, and Individually Configurable

The GXR and SXR motors feature a durable, robust design and high performance. One contributing factor is the hexagonally wound coil, which enables maximum power density in the smallest space. In addition to various bearing configurations, flexible voltage variants and a wide range of electrical connection options are available. Modifications to the front and rear shaft as well as optimized rotor balancing are also part of the offering.

Like all FAULHABER products, the new DC motors are RoHS-compliant and meet the highest quality standards. The wide variety of configuration options allows for precise adaptation to diverse application areas – for example, in high-end optical systems, telescopes and microscopes, as well as in medical applications such as surgical robots or infusion pumps.

Perfect Fit for the Modular FAULHABER System

With the new GXR and SXR motors, FAULHABER reaffirms its commitment to delivering powerful drive solutions for high-tech applications. Thanks to their modular combinability and high adaptability, these compact DC motors open up new perspectives in miniaturization and system integration – while ensuring maximum performance and reliability.

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