Compact stepper motor with high torque

*Feldkirchen/Germany, June 25, 2019* – With the SCA5618, Nanotec now offers a stepper motor with 15-30% more torque than comparable motors with a 56 mm flange (NEMA 23). Thanks to an improved stator geometry and optimized magnetic materials, the rotor inertia is no higher than that of the predecessor model.

The SCA5618 is available in three lengths and with two different windings. Depending on length, the holding torque of this stepper motor is 0.6 to 2.3 Ncm; it has a resolution of 1.8°. For a higher resolution, the SCA5618 can also be combined with an optical or magnetic encoder. The integrated connector makes it easy to connect customized cables or replace an existing motor.

The new high-torque stepper motor from Nanotec can be ordered with an 8 mm D shaft or with a round 6.35 mm shaft. If more torque is required, the newly developed GP56 high-torque planetary gearboxes from Nanotec will be a perfect match for this stepper motor.

*Nanotec was founded in 1991 and is now among the leading manufacturers of motors and controllers for industrial automation and medical engineering applications. The company has been based in Feldkirchen near Munich/Germany since 2011. With some 200 employees in Germany, Bulgaria, the USA and China, Nanotec serves customers around the world.*

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