Quiet gearboxes for noise-sensitive applications

*Feldkirchen (Germany), April 19, 2023* – With the GP42-N series, Nanotec now offers low-noise planetary gearboxes for brushless DC motors and stepper motors with NEMA 17 flange (42 mm).

The helical toothing allows the teeth to mesh gradually which results in a smoother transmission of forces so that vibrations and noise are reduced. Since the planetary gears and the ring gear are made of top-of-the-line, wear-resistant plastic, the new gearboxes are significantly quieter than conventional straight-geared products.

The gearboxes are available in single- and two-stage versions with seven different reductions and offer an output torque from 0.8 to 4.9 Nm. For use in harsh environments, the gearboxes are protected against penetration by dust and liquids according to IP54.

Thanks to their compact design and high efficiency, Nanotec's low-noise gearboxes are ideal for applications in medical devices and building automation.

Especially the combination with Nanotec's DF45 external rotor motor results in a compact and powerful drive unit.

For more information, please visit [www.nanotec.com](http://www.nanotec.com).

*Nanotec was founded in 1991 and is now among the leading manufacturers of motors and controllers/drives for industrial automation and medical engineering applications. The company
has been based in Feldkirchen near Munich/Germany since 2011. With some 270 employees in Germany, Bulgaria, the US and China, Nanotec serves customers around the world.*

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