Intelligent compact drives with extended fieldbus options

*Feldkirchen (Germany), November 27, 2023* – The intelligent PD6 compact drives from Nanotec are now available with Profinet and EtherNet/IP. They combine motor, controller and encoder in a space-saving package that delivers maximum performance and flexibility.

With its 80 mm flange and a rated power of 942 W, the PD6-EB is the most powerful brushless DC motor of this product family. The stepper motor version has an 86 mm flange (NEMA 34) and a holding torque of up to 10 Nm. In combination with extended features, such as acceleration feed forward and jerk-limited ramps, the field-orientated torque, speed and position control provides optimum dynamic performance and thus cycle time.

The motors can be controlled via fieldbus, clock & direction or analog and digital inputs. For easy integration into customer applications, there are 6 fieldbus options to choose from. Programming is easy with the free Plug & Drive Studio software from Nanotec. Singleturn absolute encoders are standard, multiturn encoders can be ordered optionally. Reduced installation time and wiring make the PD6 series a highly profitable choice for machine tools, packaging machines or conveyor belts.

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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