Compact 4-axis controller for highly dynamic applications

*Feldkirchen (Germany), May 4, 2022* – The CM-CPB3-44 EtherCAT controller from Nanotec controls four brushless DC or stepper motors with a rated power of up to 150 watts per axis. Feedback on the motor position is provided by Hall sensors or incremental or SSI encoders.

Each axis is equipped with four digital inputs, two outputs, one analog input and one output for a safety brake. Field-oriented torque, speed and position control, combined with other features such as acceleration feedforward and jerk-limited ramps, ensures optimum dynamic performance and cycle time.

This compact 4-axis controller comes in a version with 3 A peak current for small stepper motors and in a version with 9 A peak current for BLDC motors and larger stepper motors. The USB service interface facilitates commissioning.

*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 250 employees in Germany, Bulgaria, the US and China, Nanotec serves customers around the world.*

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