Linear actuator with integrated controller

*Feldkirchen (Germany), November 14, 2022* – With the PSA56, Nanotec launches its first linear actuator with integrated controller. This extremely compact drive unit combines the LSA56 hybrid linear actuator and the intelligent controllers of Nanotec’s PD4-E series.

The integrated magnetic single-turn absolute encoder has a resolution of 1,024 CPR and supports field-oriented control via CANopen. The screw’s protective coating is made of carbon material and improves the friction characteristics and thus the service life of the nuts. Offering the full range of motion control, I/O and communication options, the PSA56 actuator is highly configurable.

This programmable linear actuator provides a robust and durable solution for demanding applications that require high repeatability – in laboratory automation, packaging machines, medical equipment or material handling applications. Since the controller and encoder are integrated in the actuator, installation costs and cabling effort are reduced considerably.

*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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