



cyber[®] force line – the new linear actuator series for optimum performance

WITTENSTEIN cyber motor will be taking advantage of the SPS 2024 trade fair from November 12 to 14 in Nuremberg (Hall 4, Stand 4-221) to present the new cyber[®] force line linear actuator series as a special highlight. These actuators, featuring a spindle integrated into the motor, are modularly configurable and convince with efficiency, precision and an integration-friendly design. Users additionally profit from lower total costs of ownership as well as less expenditure on maintenance over the entire service life. The new series of electromechanical linear actuators ships with stroke lengths of 100 mm, 200 mm, 300 mm or 400 mm and is available in different feature configurations – including variants for high speeds of up to 1250 m/s or for high forces of up to 25 kN and masses of up to 2.5 tons. More sizes are already in the pipeline to complement the versions with a 105 mm flange that will be on show at the upcoming exhibition.

The cyber[®] force line is the outcome of WITTENSTEIN cyber motor's many years of expertise in customized linear actuator development. The new series is designed as a space-optimized, ready-to-install plug-and-play solution with high power density and dynamics. Thanks to the modular concept, the functionality of every linear actuator in the cyber[®] force line can also be optimally adapted to the application's individual performance requirements. Different stroke lengths and application-specific designs are possible in this way, for instance several encoder variants, an optional holding brake and anti-rotation protection as well as actuators with a customized paint finish.

Configurability – ideal for all manner of applications

The high modularity of the new cyber[®] force line, the exceptional positioning and repeat accuracy of the actuators coupled with their energy efficiency has benefits for all manner of applications. Among other things, these innovative spindle actuators are employed to position metalworking tools and machine tables, to feed tools or to handle and transport workpieces as well as in machines for bending, punching, welding and riveting or for demanding joining and insertion processes. They are also used in plastics processing as servo actuators for adjusting molds and dies, in thermoforming processes or

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WITTENSTEIN SE develops products, systems and solutions for highly dynamic motion, maximum-precise positioning and smart networking for mechatronic and cybertronic drive technology.



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as highly compact ejection, injection, closing and feed drives in injection molding systems. The spindle actuators have additionally proven themselves in machines for filling and packaging food and beverages, for example for automatically setting up different packaging formats, in pick-and-place systems, for volume control in filling and dosing processes or to seal packaging.

In short, their enormous versatility, power density and integration-friendly design enables the linear actuators in the new cyber® force line to define a new optimum for a range of processes and hence upgrade their performance and efficiency.

For more information on the new electromechanical linear actuators, go to: <https://cyber-motor.wittenstein.de/en-en/products/cyber-force-line-linear-actuator/>

Pictures (source: WITTENSTEIN SE):



01-wse-cyber-force-line-family: The modularly configurable, plug-and-play linear actuators in the cyber® force line convince with high power density, exceptional positioning and repeat accuracy, energy efficiency and largely maintenance-free operation.



02-wse-cyber-force-line: The linear actuators in the cyber® force line represent a space-saving, ready-to-install solution for a wide range of applications.

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Texts and photographs in printable quality can be downloaded from <https://www.wittenstein.de/en-en/company/press/>

WITTENSTEIN – one with the future

With around 2800 employees worldwide and sales of €498 million in 2023/24, WITTENSTEIN SE enjoys an impeccable reputation for innovation, precision and excellence in the field of cybertronic motion – not just in Germany but internationally. The group possesses exceptional expertise for the mastery and further development of all technologies relevant to mechatronic drives and comprises six innovative Strategic Business Divisions. We develop, produce and sell products such as high-precision servo drives and linear systems, servo systems and motors as well as cybertronic drive systems for many areas of application including machine and plant construction, aerospace or oil and gas exploration. Nanotechnology and software components round off the portfolio. With 25 sites in more than 45 countries, the WITTENSTEIN group (www.wittenstein.de) is represented in all major technology and sales markets.

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