

PRESS RELEASE

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New Servo Driven Actuators replace pneumatic & hydraulic cylinders

Clean, precise & efficient linear motion

The new Linear-Mech SA range of Servo Driven Actuators is designed to take the place of pneumatic and hydraulic cylinders giving better performance, higher precision and substantial energy savings. The SA range comprises 7 sizes of ball screw actuators driven by servo motors. The square profiles and mounting options meet the standard ISO 15552 and two options exist for parallel or in-line motor mounting. Dynamic loads are in the range 100 to 40000N. As electrical energy is only used when the actuator is moving, energy savings of up to 90% are possible compared to pneumatic and hydraulic cylinders. Furthermore installation is easier and oil leakage is not a problem.

Each model features a rolled ball screw to IT7 accuracy, higher accuracies up to IT3 are possible on request. A zero backlash option can be specified for high precision positioning. Brushless servo motors with brakes and encoders together with matching drives are part of the package and motion controllers are optional. Servo drive technology combined with precision ball screws makes possible precision positioning with accuracies up to +/- 0.01mm.

Linear-Mech SA Servo Driven Actuators are built to order with strokes from 100mm up to 1.5m. Linear speeds usually start at 50mm/s and extend up to 1.5m/s. With capacity for 100% duty cycles these electromechanical cylinders are a good fit for automated machinery that needs precise, repeatable and high speed linear motion. As clean devices, they are suitable for use in food production environments and they can make big reductions in energy consumption. Further information and technical advice is available in the UK from Techdrives.



The new SA Servo Driven Actuator, parallel mounted version.

(287 words)

About Techdrives

Techdrives is a division of Lenze Ltd offering products that are essential for machine building. These quality products come from manufacturers where Lenze has a long relationship and they are supported by Engineers with strong product and application experience.

About Lenze Ltd

Established 45 years ago in Bedford, Lenze Ltd now has 55 employees and achieves sales of about £20M in power transmission equipment from the Lenze factories and other quality suppliers. Services to UK customers include application engineering, software writing, training, commissioning and service

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