



Smart linear actuators are extending plant control capabilities and cost savings



Industrial devices are becoming more intelligent and interconnected, and smart linear actuators such as those from Thomson are no exception. A recent article in *Plant Engineering* explores the integration of these actuators into factory automation and how they are reshaping the plant floor and associated maintenance functions.

Featuring integrated electronics, smart linear actuators offer machine designers benefits such as:

- Increased energy efficiency
- Minimal attention to external wiring required
- Diagnostics across the network bus
- Safer operation
- Condition monitoring
- Allows for more strategic maintenance

What functions can smart actuators improve in your facility?.

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New Video Smart Actuators: Designing Smart Machines with Smart Tools

Thomson is advancing linear actuation technology with a new generation of smart electromechanical actuators. We integrate onboard electronics directly into the actuator, and resulting benefits to your machine design can include:

- Improved control
- Reduced complexity
- Fewer components
- Reduced installation time
- Lower overall costs

Learn more by taking a few minutes to watch our new video, which details the technologies, applications and products of smart actuation.

[Watch the Video Now >](#)



Tech Tips Video

Easily Service Thomson Motorized Lead Screws in the Field

Traditional lead screws with direct couplings typically have an external coupling that joins the lead screw with the motor, or the lead is directly coupled by a press fit or welded directly to the motor.

Precision-engineered Thomson motorized lead screws combine a hybrid stepper motor and lead screw in one, compact envelope. Innovative Taper Lock allows engineers to decouple the lead screw in the field without removing the stepper motor.

Learn more in our Tech Tips video.

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