

Linear
MOTIONEERING
Tools



Micron
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Product
Selectors



Interactive
3D Models



Precision
Ball Selector



Motioneering
Toolbar



What is causing more and more designers to switch from pneumatic to electromechanical actuation?



When it comes to linear actuators, machine designers have a handful of options at their disposal. However, as a recent *Machine Design* article details, electromechanical actuators have been seeing a continuous increase in usage due in part to their speed, precision and size.

Whether for factory automation, material handling or other applications, these electric rod-style actuators are being converted from pneumatic alternatives, resulting in:

- Improved machine performance.
- Reduced equipment size.
- Increased energy conservation.
- Less maintenance and total cost of ownership.

The article goes on to explore the factors in selecting the ideal electromechanical actuator for your application.

[Learn More About Pneumatic-to-Electric Conversion >](#)

[Read the Article >](#)

+ education/events



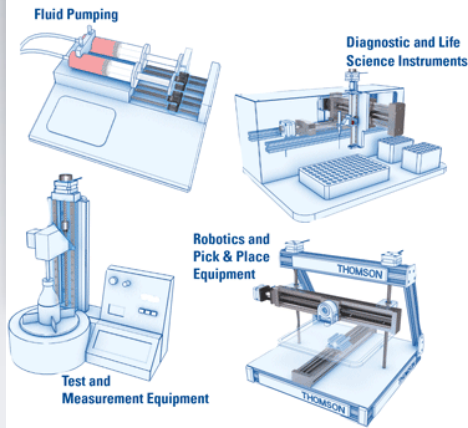
Tech Tips Video Defining Low Level Switching

A smart feature of the Thomson Electrak® HD and WhisperTrak™ electric linear actuator families, low level switching is an onboard configuration of the Electrak Modular Control System (EMCS).

In this video, a Thomson representative defines low level switching and explains why it may be useful to your machine designs.

[Watch the Video Now >](#)

+ applications/tools/products



Optimize motion within your medical devices with superior linear components

Technologically superior Thomson components and pre-assembled systems allow flexibility in your medical application designs while pushing efficiencies in production. Whether it's standard or modified to spec, we supply and optimize the following components:

- Actuators
- Linear bearings
- Ball and lead screws
- Linear guides
- Planetary gearheads
- Linear slides and systems
- Clutches and brakes

[Explore Thomson Solutions for Medical Applications >](#)

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