

Linear
MOTIONEERING
Tools



Micron
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Product
Selectors



Interactive
3D Models



Precision
Ball Selector



Motioneering
Toolbar



How to create enhanced linear motion systems for your high-precision applications

When you better understand the many subsystems of components that go into designing your linear motion systems, you'll be better equipped to meet the demands of applications requiring high-precision, high-speed repeatability and flexibility.

A recent article helps guide machine designers by:

- Providing an overview of power and motion components.
- Examining the most important factors when sizing, selecting, installing and operating linear motion systems.
- Listing tips for installation, operation and maintenance of linear components.



[Read the Article >](#)

[Explore Thomson Linear Motion Components >](#)

+ education/events

Tech Tips Video: How to Control an Industrial Linear Actuator with J1939 CAN Bus Functionality



Actuators such as the Thomson Electrak HD utilize J1939 CAN bus to allow users to control and monitor everything about its movement.

Watch this video to learn what's needed for this solution and how you can start receiving critical feedback on your actuator's performance.

[Watch Now >](#)

+ applications/tools/products



Smart electric linear actuators enhance control functionality for Tribine Harvester

A recent entrant into the grain harvester market, Tribine Harvester utilizes a unique design that sets its machines apart from conventional harvesters. To help overcome a handful of design challenges in the rotor concaves and grain bin extensions, engineers have relied on many smart features of Thomson Electrak® HD electromechanical linear actuators, including:

- Communication across a CAN bus network, offering full control and diagnostics.
- Each actuator can be programmed to a unique position, speed and current trip point.
- Dynamic braking, improving position accuracy by preventing coasting.
- Replaceable wiring harness and no maintenance required.

In this video, Tribine Harvester engineers detail how Electrak HD actuators met the control challenges that other actuator solutions could not, helping them deliver a vehicle unlike any other in the market.

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