

Linear Motion. Optimized."

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Smart electric linear actuators enhance control functionality for Tribine Harvester

Tribine Harvester utilizes a unique design that sets its machines apart from conventional harvesters. A new OEM Off-Highway article details how smart features of Thomson Electrak® HD electromechanical linear actuators allowed Tribine engineers to meet the control challenges that other actuator solutions could not. This helped them deliver a vehicle unlike any other in the market.

These Electrak HD smart features included:

- 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.



Watch the Video >

Read the Article >

+ education/events





New Webinar Building a Smarter Factory with Smart Actuators

Once smart actuation is introduced into a factory's automation process, the benefits are immediate and exponential. Increased flexibility, enhanced control capabilities, decreased energy usage, improved safety and ergonomics, and many more.

Join us for a free webinar on October 17 and discover which applications and machines within your factory can benefit from smart actuators.



+ applications/tools/products



Simplify motion control of heavier loads with high-load ball screws

Thomson ball screws are advancing demanding applications with increased load capacity, while providing longer life — all in a compact envelope.

Features and highlights include:

- Standard sizes up to 15 m length and up to 160 mm in diameter.
- Max. dynamic load of up to 1,440 kN.
- Lead accuracy of up to ±6 µm/300 mm.
- Compact, simple design allows for downsizing, less weight.
- Available with single or double nuts.
- Multiple preloading options.
- Smooth, quiet motion.
- More economic solution vs. roller screws.

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