

Linear  
MOTIONEERING  
ToolsMicron  
MOTIONEERINGProduct  
SelectorsInteractive  
3D ModelsPrecision  
Ball SelectorMotioneering  
Toolbar

## Electrak<sup>®</sup> HD actuator helps paraplegic man regain passion for motorcycling



After almost a decade following an accident that left him wheelchair bound for life, Australian James Powell used his engineering background to build a custom solution that helped him get back on his motorcycle and rediscover a long lost passion.

A Design World article details how Powell used the Thomson Electrak HD electric linear actuator to help raise and lower stabilizing wheels during startup and stopping. The HD's ruggedness, IP69 rating, compact housing, onboard electronics and quick stroke was the only choice to get Powell back on his motorcycle and on the road with friends.

[Read the Story >](#)[Learn More About Electrak HD  
Actuators >](#)[+ education/events](#)

### Don't miss Part 3 of the Smart Actuator Webinar Series

Spread across seven parts throughout 2018, the Thomson Smart Actuator Webinar Series covers the gamut of the emerging industrial shift toward electromechanical linear actuators that can communicate with other interconnected components.

Part 3 will examine the markets and applications currently using smart actuators and detail why they make such a perfect fit.

This webinar is scheduled for June 26, 2018, and lasts only 30 minutes, so [register now](#) to get it on your calendar and continue to receive invitations to future parts.

[View the Series Schedule &  
Register for Part 3 Now >](#)

## + applications/tools/products

### Smart Actuation Website



As the industrial world becomes increasingly connected, the designer's need for intelligent components that can communicate with each other and operate without the need for manual intervention is growing.

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### Electrak HD Actuators Website



The Electrak HD is a new electric linear actuator platform with onboard electronics which can eliminate the need for standalone controls. Higher power opens a new, wider range of h...

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Miniature linear motion components are ideal for applications where precise movement of small loads is critical. In particular, they provide added value in requirements for medical.

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High performance, low complexity. Pair linear bearing, ball lead screw, the Gildescrew™ from Thomson combines the best features of these products into an easy to install, one-part solution. In addition, Thomson...

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Conversion from pneumatic cylinders to electric actuation makes machines smarter and improve your machine's productivity, reliability, and performance by making the change to ele...

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The next time you need information on Thomson linear motion components, check out our selection of dedicated product websites. These pages provide a more in-depth look into the features, benefits and applications of our actuators, bearings, screws and miniature components.

[Check out the Product Websites >](#)

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