

DIY or Collaborate? Navigating the Path to Optimal Linear Actuator Guidance.

When translating motor torque into linear thrust, stepper motor linear actuators (pictured top right) deliver precise control, reliability and versatility. However, when additional linear guidance is needed, machine designers must weigh the pros and cons of designing a solution themselves vs. collaborating with a vendor to configure an ideal assembly (pictured bottom right).

A recent article (also published in *Machine Design*) looks closely at both options and examines considerations when making your selection, the risks involved with a DIY approach, and the benefits of partnering with an experienced vendor for your linear guidance solution.



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[WATCH OUR VIDEO ON CONFIGURATION COLLABORATIONS](#)

VIDEO: Mounting Thomson Linear Ball Bushing[®] Bearings

The efficiency of your Linear Ball Bushing Bearings depends largely on how well they are mounted into your machine or device. Watch this video for tips and accessories to help you properly mount your linear bearings.



WATCH THE VIDEO

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The first ever collaborative 7th axis, the Movotrak Cobot Transfer Unit (CTU) features collision detection settings for groundbreaking programming and control benefits. A plug-and-play system for quick and easy implementation into various robotic functions, Movotrak CTU adds a horizontal operating range up to 10 m to significantly boost productivity and output.



Compatible with even the largest sized cobots on the market, the 7th axis slide offers flexible mounting options, and features a dual-linear-unit design for precise linear motion, and maximum moment load and stiffness.

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