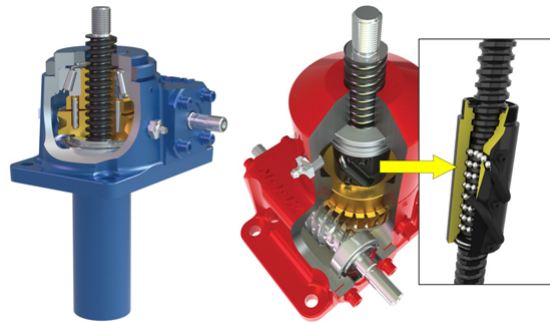




Machine screw jacks vs. ball screw jacks: Which is best for your application?

When motion system designers want the application flexibility of an electric linear actuator and the heavy lifting, lowering and tilting capability of a hydraulic cylinder, they often turn to screw jacks. Where electric actuators might handle up to two tons, screw jacks can handle more than 100 tons.



Their high load capacities come from a worm gear configuration that converts energy from motor or manual input. The two main types of screw jacks are machine screw jacks and ball screw jacks.

A recent article (also published in *Power Transmission Engineering*) breaks down the capabilities of each when it comes to load handling requirements, duty cycle, temperature operating range, energy consumption, and tolerance for backdrive among other factors.

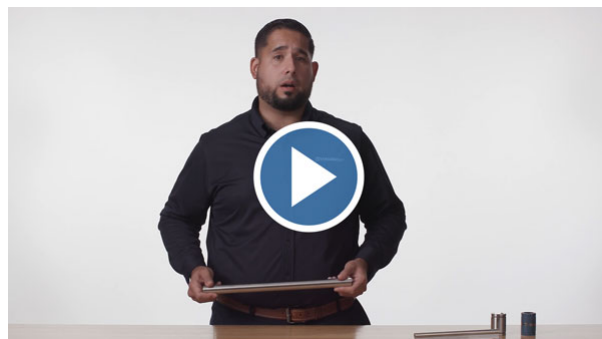
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This [30-minute, on-demand webinar](#) delves into the key factors to consider for automating material handling motion sequences, new electric actuator advancements ideal for material handling automation applications, and how to determine if your investment in electrification is paying off.

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