



Hybrid linear motion assembly cuts costs for CNC machine maker

When Bend-Tech, a company specializing in CNC tube and pipe cutting machines, sought help to keep up with increased demand, Thomson delivered an innovative hybrid linear motion solution that not only sped up production but allowed the OEM to maintain a competitive price point as well.



Thomson customized a motion control assembly that integrated a stepper-motor-driven lead screw into a previously ball-screw-driven linear slide.

A [recent article](#) details how Thomson worked closely with Bend-Tech on their new, high-production plasma cutting, marking and engraving system. "The way that Thomson has designed the components on this is really slick," said TJ Merry, Bend-Tech's production manager. "They get the cost down by keeping components to a minimum. Using a motor with an integrated lead screw instead of a ball screw cuts the cost of coupling screw and motor together and all the support hardware that goes along with that."

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at why designers are finding it easier than ever to make the move to electric from other technologies such as pneumatic and hydraulic systems.

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