

Press Release – EDrive Actuators – The Original Electric Linear Actuator Company for immediate distribution

EDrive Actuators Inc., The Original Electric Linear Actuator Company



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It is interesting to note that EDrive Actuators Inc. pioneered the original precision electromechanical linear actuator, and was issued the first electric linear actuator US Patent. In 1980, EDrive Actuators delivered their first electric linear actuator and has been doing so ever since.

Consistent success in tough applications since that first patent has proven that EDrive Actuators is the actuator of choice using precision ball screw systems.

EDrive offers a complete line of linear actuators designed to meet a variety of applications, with stroke lengths up to 60+in. (1.5+m), speeds of 12in/sec (305mm/sec) and thrust ranges from 100lb_f (0.45kN) – 100,000 lb_f (444.8kN). EDrive supports industry demand for high thrust force electro-mechanical linear actuators with the most compact of designs.

The linear systems that EDrive produces are specially tailored to provide maximum service life, highest thrust forces, and speeds in a fully enclosed heavy steel wall cylinder. The bronze nose bearing provides excellent support when the thrust piston is fully extended. While other linear actuator companies require an external anti-rotate device or a keyed thrust tube with seals prone to leakage, EDrive's bronze internal key provides anti-rotation and counters the tangential forces created during high speed, high frequency and high load operation.

EDrive's precision ball screw system provides a cost-effective alternative, replacing pneumatic and hydraulic cylinders and providing major advantages over other designs. One such advantage is its ecologically friendly operation, eliminating sources of leaks from valves, hoses, fluids, and the need to use noisy, expensive electric compressors and hydraulic pumps. In addition, eliminating all the collateral equipment needed to operate hydraulic and pneumatic systems, reduces footprint. Maintenance is easy, and does not require removing the actuator from the machine, simply open the greasing port when necessary.

EDrive actuators are designed to accept the servo motor or gear reducer of your choice, and are available in parallel offset and in-line designs.

Since 1980, EDrive's business has grown based on its philosophy of design flexibility and rapid response to customers' requests. While EDrive offers "standardized" electric linear actuators from 100-100,000lb_f, it regularly customizes based on specific customer needs including Stainless Steel. EDrive Actuators Inc. works very hard every day to provide the shortest lead time in the industry (typically 4-6 weeks) with an unsurpassed commitment to superior product quality.