

Superior Quality
OPTIMUM SOLUTIONS

Founded in 1980, EDrive pioneered the evolution of precision electromechanical actuators with our first patented design. Over the years our business has grown based on our philosophy of design flexibility and rapid response to our customers’ requests. While we offer “standardized” product lines we regularly customize based on specific needs.

EDrive customers enjoy an unsurpassed commitment to superior quality, integrity, and customer service. Our experienced staff provides technical support as needed to assist in specifying the most appropriate solutions. Whether you need a standard product or a fully customized actuator EDrive is your answer.

EDrive Actuators, Inc.

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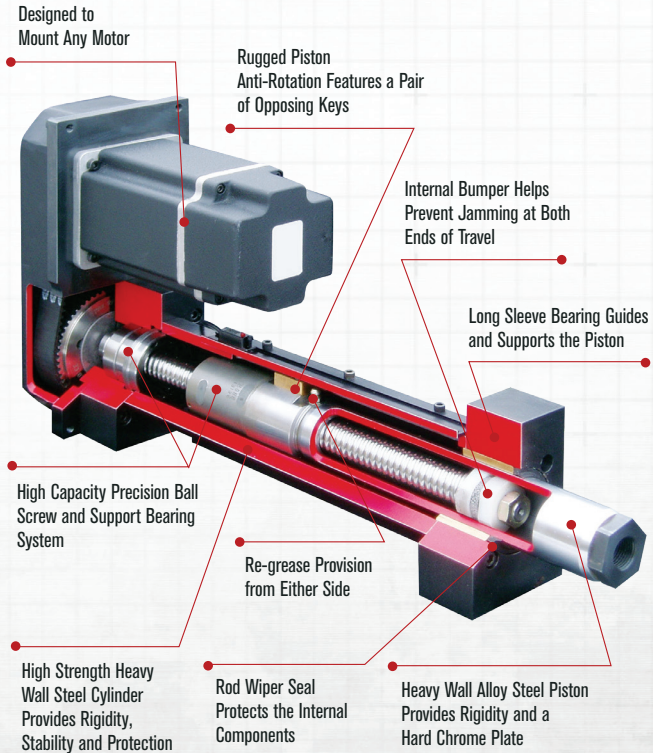
	ET SERIES		VT SERIES / VS SERIES					LS SERIES					HD SERIES / ST SERIES								SD SERIES					SS454 SERIES	MT SERIES				
	ET202	ET203	VT204 VS204	VT209 VS209	VT305 VS305	VT310 VS310	VT320 VS320	LS204	LS209	LS305	LS310	LS320	HD302 ST302	HD304 ST304	HD404 ST404	HD406 ST406	HD508 ST508	HD516 ST516	HD618 ST618	HD625 ST625	SD930	SD948	SD966	SD975	SD9100	SS454	MT304	MT506	MT512	MT515	
VELOCITY																															
65 in/sec max																															
40 in/sec max																															
36 in/sec max																															
33 in/sec max																															
25 in/sec max																															
23 in/sec max																															
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42 in																															
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30 in																															
24 in																															
18 in																															
12 in																															
6 in																															
THRUST																															
100,000 lb _r max																															
75,000 lb _r max																															
66,000 lb _r max																															
48,000 lb _r max																															
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4,000 lb _r max																															
2,000 lb _r max																															
1,000 lb _r max																															
500 lb _r max																															

NOTE: Stroke length may affect maximum velocity. Contact EDRIVE Actuators for details.

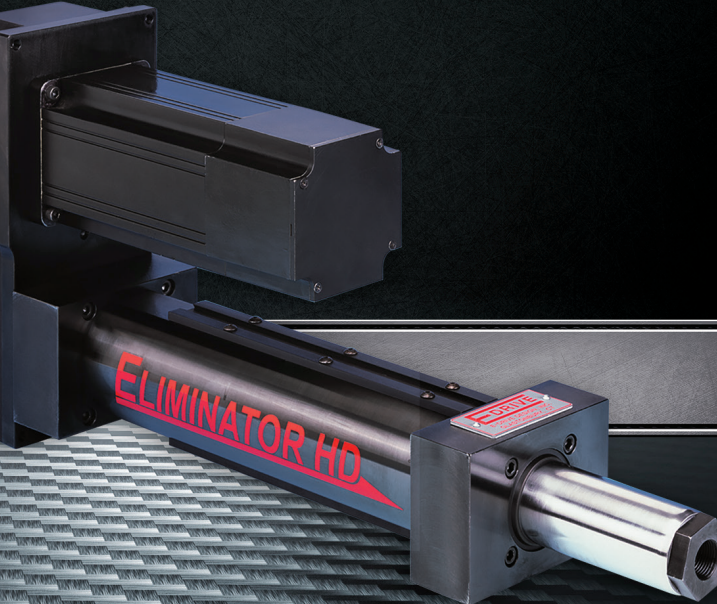
Consistent Success
IN THE TOUGHEST APPLICATIONS

EDrive linear actuators have shown consistent success in the toughest applications, e.g. high loads, high speeds, high precision, and extreme durability. Precision ball screw systems, tailored for maximum life, load and speed, provide the motion while fully enclosed, thus eliminating contamination related failures. A long bronze nose bearing provides support for the extended piston. Rugged bronze keys in opposing steel slots provide anti-rotation and counter the tangential forces created during high speed, high frequency, and high load operation.

While other actuator designs force a particular motor decision, EDrive’s linear actuators are designed to suit virtually any motor, gear box, or gearhead the customer chooses to use. In-line as well as parallel offset configurations are standard with 1:1 and 2:1 synchronous gearbelt ratios available.



Electric Heavy-Duty
Ball Screw Linear
Actuators

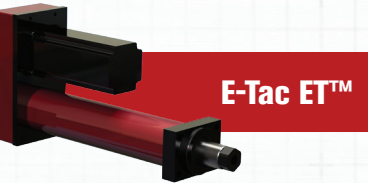
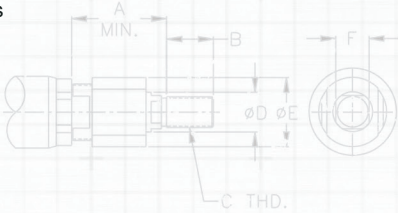


Introduction

Founded in 1980, EDrive Actuators, Inc. manufactures electric heavy-duty linear actuators for tough, industrial automation applications. Our products are used in a wide variety of industry applications where conservative design, rugged construction, long life, and high precision are required and valued. More specifically as replacement for older power solutions like hydraulic and pneumatic linear actuators. There is a reason why an ever-increasing number of machine builders are switching to electric linear actuators.

BENEFITS OF ELECTRIC ACTUATION:

- Cleaner, quieter, and more energy efficient
- Improved performance
- Less maintenance required
- More accuracy and repeatability
- More flexibility and scalability
- Higher speed and force
- Higher system stiffness
- Lower operating costs



E-Tac ET™

Cost Effective, High Quality, Low Force

The E-Tac ET ball screw linear actuator series was developed to provide a high quality, rugged and durable linear actuator for lower force applications. Using an aluminum body with steel components, chrome plated heavy wall steel piston, and steel/bronze anti-rotation, this fluid power replacement linear actuator ensures rigid alignment of critical bearing supports.

FEATURES:

- Cost effective with thrust up to 300 lb_f
- Piston with rugged anti-rotation feature
- Velocity up to 33 in/sec, Stroke up to 12 inches
- Variety of standard mounting options for most motors/gearheads
- Limit switches available



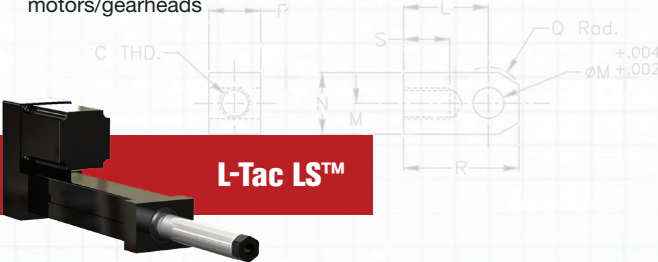
VecTac VT™

Cost Effective, High Quality, High Speed, High Force

The VecTac VT ball screw linear actuator series was developed to meet higher thrust load requirements at somewhat faster velocities than the ET series actuators, with the same high quality, rugged durability. Using an aluminum body with steel components, chrome plated heavy wall steel piston, and steel/bronze anti-rotation, this linear actuator ensures rigid alignment.

FEATURES:

- Compact actuator with thrust up to 2,000 lb_f
- Piston with rugged anti-rotation feature
- Velocity up to 40 in/sec, Stroke up to 24 inches
- Sealed chamber design with purge provisions to meet IP54
- Limit switches available
- Variety of standard mounting options for most motors/gearheads



L-Tac LS™

Long Stroke, High Speed, High Force

The L-Tac LS ball screw linear actuator series was developed for long stroke applications. This high quality, durable linear actuator, is constructed using rugged aluminum alloy cylinders and chrome plated heavy wall steel pistons. Its small size, as well as the ease of adapting it to any standard unit mounting style, makes the series of LS electric linear actuators a good fit in most linear motion industrial applications.

FEATURES:

- Long stroke actuator with thrust up to 2,000 lb_f
- Piston with rugged anti-rotation feature
- Velocity up to 40 in/sec, Stroke from 24 to 60 inches
- Sealed chamber design with purge provisions to meet IP54
- Limit switches available
- Variety of standard mounting options for most motors/gearheads



Eliminator HD™

Heavy Duty, High Speed, High Force

The Eliminator HD Heavy Duty ball screw linear actuator provides strong, durable, and precise linear motion for industrial automation. The HD was designed to replace hydraulic actuators and thus “eliminate” many associated concerns, such as noise, and fluid leakage while providing high load, high speed, and high accuracy linear motion that is controllable, repeatable, and easy to adjust.

FEATURES:

- Rugged steel construction with durable anti-rotation feature
- Rated Thrust up to 25,000 lb_f
- High Velocity up to 23 in/sec, Strokes up to 48 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- Limit switches available
- 0.002 in/ft standard lead accuracy, 0.0005 in/ft optional lead accuracy
- Zero backlash optional



Eliminator HDL™

Eliminator HD + Integrated Load Cell

The Eliminator HDL combines all the precision features of the HD series with the additional benefit of an integrated load cell, providing continuous and accurate measurement of applied thrust. This heavy-duty, rugged linear actuator provides a clean, simple, and economical solution for your high speed precision thrust applications.

FEATURES:

- “Measure while you Press” Integrated load cell design
- Conforms to Latest Standard ASTM E4 for testing machines
- mV/V Output Signal
- Rated Thrust up to 25,000 lb_f
- High Velocity up to 23 in/sec, Strokes up to 48 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- 0.002 in/ft standard lead accuracy, 0.0005 in/ft optional lead accuracy
- Zero backlash optional



Eliminator SD™

Extreme Thrust Capability in Eliminator HD Platform

The Eliminator SD super duty linear actuator provides extreme thrust capacity for your high thrust industrial applications. Achieve the perfect high precision / high load capacity solution when you combine your servomotor with this heavy-duty steel actuator.

FEATURES:

- Rugged steel construction with durable anti-rotation feature
- Extreme thrust capability up to 100,000 lb_f
- Velocity up to 12 in/sec, Strokes up to 48 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- Limit switches available



Eliminator SS™

Extreme Speed Capability in an Eliminator HD Platform

The Eliminator SS™ Super Speed actuator is the linear solution for those automation applications demanding extremely high speed motion. This combination of high thrust capacity, fast actuation, and precision motion are all provided in a strong, durable, actuator built on the Eliminator HD platform and adaptable to your servomotor.

FEATURES:

- Rugged steel construction with durable anti-rotation feature
- Rated Thrust up to 2,000 lb_f
- Extreme Speed capability up to 65 in/sec, Strokes up to 48 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- Limit switches available



Eliminator ST™

An Eliminator HD in Stainless Steel, Food Grade Housing

The Eliminator ST™ is a stainless steel actuator designed for food grade applications where severe environments or caustic wash-down conditions are present. These actuators offer all the performance advantages of our HD actuators with the added benefit of a 300 series stainless steel.

FEATURES:

- 300 series stainless steel contoured exterior with durable anti-rotation feature
- Rated Thrust up to 25,000 lb_f
- High Velocity up to 23 in/sec, Strokes up to 48 inches
- Sealed chamber design with purge provisions to meet IP66
- Variety of standard mounting options for most motors/gearheads
- 0.002 in/ft standard lead accuracy, 0.0005 in/ft optional lead accuracy
- Zero backlash optional and Limit switches available



VecTac VS™

A VecTac VT in Stainless Steel, Food Grade Housing

The VecTac VS is a stainless steel actuator specifically designed for food grade applications and for those applications where severe environments or caustic wash-down conditions are present. These actuators offer all the performance advantages of our VT actuators with the added benefit of a 300 series stainless steel.

FEATURES:

- 300 series stainless steel contoured exterior
- Compact actuator with thrust up to 2,000 lb_f
- Piston with rugged anti-rotation feature
- Velocity up to 40 in/sec, Stroke up to 24 inches
- Sealed chamber design with purge provisions to meet IP66
- Limit switches available
- Variety of standard mounting options for most motors/gearheads



MT Precision™

Machine Tool Quality, High Resolution Actuator

Machine tool quality linear actuators developed to provide precise, durable linear motion solutions when high positioning accuracy is specified. Standard precision is 0.0005 in/ft and optional 0.0002 in/ft is available. This is the most cost effective machine tool quality linear actuator on the market today.

FEATURES:

- Machine tool grade components
- Accumulative accuracy essential to modern manufacturing
- High system stiffness - repeatable positioning even under varying loads
- Rated Thrust up to 15,000 lb_f
- Velocity up to 12 in/sec, Strokes up to 42 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- Continuous duty designs ensure reliability and longevity

