**Superior Quality 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 customer's requests. With a fully dedicated technical support as needed to our customers, 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, our experienced staff will assist in recommending the most appropriate solutions.

While we offer "standardized" product lines we regularly design flexibility and rapid response to our customers' requests. EDRIVE Actuators, Inc. has 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 issues. The combination of hardened extended pistons, rugged bronze keys in opposing steel slots, anti-rotation and counter the tangential forces created during high-speed, high-frequency, and high load operation. While other actuator designers 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 during high speed, high frequency, and high load operation.

**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 within fully enclosed, thus eliminating contamination related issues. The combination of hardened extended pistons, 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.

**Specifications**

<table>
<thead>
<tr>
<th>Series</th>
<th>Stroke Length</th>
<th>Thrust</th>
<th>Velocity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET202</td>
<td>100,000 lb f max</td>
<td>60 in/sec max</td>
<td>8 in/sec max</td>
</tr>
<tr>
<td>ET203</td>
<td>40,000 lb f max</td>
<td>36 in/sec max</td>
<td>33 in/sec max</td>
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<tr>
<td>VT204</td>
<td>24,000 lb f max</td>
<td>25 in/sec max</td>
<td>30 in/sec max</td>
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<tr>
<td>LS204</td>
<td>18,000 lb f max</td>
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<td>23 in/sec max</td>
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<td>HD204</td>
<td>12,000 lb f max</td>
<td>16 in/sec max</td>
<td>20 in/sec max</td>
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<tr>
<td>VS204</td>
<td>6,000 lb f max</td>
<td>10 in/sec max</td>
<td>11 in/sec max</td>
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<tr>
<td>VS305</td>
<td>3,000 lb f max</td>
<td>6.3 in/sec max</td>
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<tr>
<td>VS310</td>
<td>1,000 lb f max</td>
<td>500 lb f max</td>
<td>6.3 in/sec max</td>
</tr>
</tbody>
</table>

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

E-1800K Actuation, Inc. manufactures heavy-duty linear actuators for high-performance industrial automation applications. Our products are used in a wide variety of industry-specific applications, including food grade, severe environments, and caustic wash-down conditions. E-1800K offers a wide range of products, from standard models to high-performance, custom-made solutions. Our commitment to quality and reliability ensures that our customers receive the best possible performance in their applications.

Cost Effective, High Quality, High Speed, High Force

The E-Tac ET ball screw linear actuator series was developed to meet higher thrust load requirements at somewhat faster speeds. The ET series actuators, with the same high quality, rugged durability, durability on aluminum body with steel components, chrome plated heavy wall steel piston, and piston/linier alignment, this linear actuator ensures rigid alignment. FEATURES:

- Compact actuator with thrust up to 3,000 lb.
- Piston with rugged anti-rotation feature
- Velocity up to 40 in/sec, Stroke up to 40 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- 0.002 in/ft lead accuracy, 0.0005 in/ft optional lead accuracy
- Zero backlash optional

Heavy Duty, High Speed, High Force, High Torque

The E-Tac HD heavy-duty ball screw linear actuator provides extreme thrust, rigid, precise, and durable linear motion for industrial automation. The HD was designed to replace hydraulic actuators and pneumatics in severe environments and associated concerns, such as noise, and fluid leakage while providing high loads, high speeds, and high positioning accuracy. FEATURES:

- Compact actuator with thrust up to 100,000 lb.
- Rated Thrust up to 15,000 lb, Stroke up to 60 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 and Limit switches available

VecTac VS™

VecTac LS™

Long Stroke, High Speed, High Force

The VecTac 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 pistons. Its small size and light weight make the series EUC ball linear actuators a great fit for most linear motion industrial applications. FEATURES:

- Compact actuator with thrust up to 3,000 lb.
- Piston with rugged anti-rotation feature
- Velocity up to 40 in/sec, Stroke up to 40 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- Limit switches available

Eliminator HD™

Eliminator IRL™

Eliminator HD + Integrated Load Cell

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

- Measures while you Press integrated load cell design
- Conforms to latest Precision Standards for testing machines
- Rated Thrust up to 100,000 lb, Stroke up to 60 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 and Limit switches available

Eliminator SD™

Eliminator SS™

Eliminator ST™

Eliminator HDL™

Extreme Thrust Capability in Eliminator HD Platform

The Eliminator HDL Super duty linear actuator provides extreme thrust for high operating load conditions. 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.
- Rated Thrust up to 15,000 lb, Stroke up to 60 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- E3.25 (32) standard lead accuracy, 0.0005 in/ft optional lead accuracy
- Zero backlash optional and Limit switches available

MT Precision™

An Eliminator HD in Stainless Steel, Food Grade Housing

The Eliminator HDL Super duty linear actuator series is specifically 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 housing. FEATURES:

- 300 series stainless steel (1.4301) exterior with durable anti-rotation feature
- Rated Thrust up to 15,000 lb, Stroke up to 60 inches
- High Velocity up to 23 in/sec, Stroke up to 48 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- E3.25 (32) standard lead accuracy, 0.0005 in/ft optional lead accuracy
- Zero backlash optional and Limit switches available

VecTac VT™

A VecTac VT in Stainless Steel, Food Grade Housing

The VecTac VT ball screw linear actuator series is 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 housing. FEATURES:

- 300 series stainless steel (1.4301) exterior
- Conforms to Latest Precision Standards for testing machines
- Rated Thrust up to 10,000 lb, Stroke up to 42 inches
- high Velocity up to 23 in/sec, Stroke 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
- Continuous duty design ensures reliability and longevity

Cost Effective, High Quality, Low Force

The E-Tac ET ball screw linear actuator series was developed to provide single-stage, rugged and durable linear actuator for low force applications. Using an aluminum body with steel components, chrome plated heavy wall steel piston, and piston/linier alignment, this linear actuator ensures rigid alignment. FEATURES:

- Compact actuator with thrust up to 3,000 lb.
- Piston with rugged anti-rotation feature
- Velocity up to 40 in/sec, Stroke up to 40 inches
- Sealed chamber design with purge provisions to meet IP54
- Variety of standard mounting options for most motors/gearheads
- Limit switches available

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 required. 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
- Velocity up to 12 in/sec, Strokes up to 42 inches
- Sealed chamber design with purge provisions to meet IP54
- E3.25 (32) high precision / high load capacity solution when you combine your servomotor with this heavy-duty steel actuator.

VecTac VS™

VecTac VT™

MT Precision™

Introduction

In 1988, E1800K Actuation, Inc. manufactures heavy-duty ball screw linear actuators for high-performance industrial automation applications. Our products are used in a wide variety of industry-specific applications, including food grade, severe environments, and caustic wash-down conditions. E1800K offers a wide range of products, from standard models to high-performance, custom-made solutions. Our commitment to quality and reliability ensures that our customers receive the best possible performance in their applications.