

## **News Release**

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## Parker releases ETT- Electric Tubular Linear Motor Series

New rod-style actuator with dramatically increased performance in cost-effective, energyefficient, low-maintenance package.

Irwin, PA, November 21, 2014 – Parker's Electromechanical Automation Division, a leading supplier of motion control technology, is pleased to announce the release of the Electric Thrust Tubular (ETT) linear motor actuator series.

Parker's ETT Series, tubular style linear motor offers a unique solution for machine builders, OEM's, and users alike. The tubular motor is made up of two main components; the stator with integrated feedback (body) and the rod (shaft) with embedded magnets, making it a direct driven, rod-style, thrust actuator. The ETT is characterized by its high speed, high

acceleration and dynamic positioning capability, giving superior control and lower overall cost of ownership as compared to typical pneumatic positioners, due to its high efficiency and overall energy savings. Having full compliance with the



DIN ISO 15552:2005-12 mounting standard ensures simplicity of mechanical integration of the ETT and reduces overall design complexity. A wide variety of optional accessories are available for the ETT to facilitate ease of mounting.

The ETT's linear motor technology eliminates the need for an additional belt or screw, gearhead and motor as in many electromechanical positioners, creating greater performance in a smaller overall package. This reduction of components also serves to mitigate overall system cost and reduce installation costs. By eliminating bearing components, potential wear items are removed equating to drastically reduce overall maintenance. The high thermal efficiency of the ETT give it high reliability and greatly extended life characteristics and make it ideal for high duty cycle applications.

The ETT comes standard with IP67 protection for harsh, wash-down environments. The 1 VPP Sin/Cos encoder feedback allows for high resolution and can be paired with any

standard servo drive with 230 VAC supply voltage. Parker offers a wide range of servo drive options that are ideal for use with the ETT, enabling customers to obtain the complete motion solution from one supplier. The ETT is ideally suited for any pick and place or linear handling application requiring high dynamic performance.

ETT Electric Thrust Tubular Style Linear Motor Features:

- Maximized dynamic linear motion and position control
- 2 frame sizes- 32 & 50mm Bore
- DIN ISO 15552:2005-12 mounting footprint
- 1 VPP Sin/Cos Feedback
- Continuous thrust- 8 to 118 N
- Peak thrust- 32 to 474 N
- Max speed- 4 m/s
- Max acceleration- 200 m/s<sup>2</sup>
- Repeatability- +/- 0.05mm
- Standard strokes up to 720mm
- IP67 rated
- Swivel style connector for 3 phase power and communication feedback
- Stainless steel AISI 304 shaft
- Diverse range of accessories and mountings

For more information on Parker's new ETT line, please visit www.parkermotion.com/ETT

## About Parker Electromechanical Automation

A division of Parker Hannifin Corporation's Automation Group since 1987, Electromechanical Automation is a pioneer, developer and manufacturer of full-spectrum computer-based motion controllers, servo/step motor drives, servo motors and humanmachine interfaces, positioning systems, gearheads and gear motors. These products automate the manufacturing of a significant fraction of the world's goods and services. Electromechanical Automation products are sold via independent authorized Automation Technology Centers—a group of nearly 100 professional, highly trained organizations with more than 135 points-of-presence throughout the world—or directly from Electromechanical Automation by logging on to buy.compumotor.com. An informative and up-to-date Web site with downloadable libraries, tutorials, and background information on motion control and automation is located at www.parkermotion.com.

## **About Parker Hannifin**

With annual sales exceeding \$13 billion in fiscal year 2014, Parker Hannifin is the world's leading diversified manufacturer of motion and control technologies and systems, providing precision-engineering solutions for a wide variety of mobile, industrial and aerospace markets. The company employs approximately 57,500 people in 50 countries around the

world. Parker's engineering expertise and broad range of core technologies uniquely positions the company to solve some of the world's greatest engineering challenges. By partnering with customers, Parker improves their productivity and profitability and seeks new ways to solve humanity's biggest challenges. For more information, visit the company's Web site at www.parker.com/aboutus.