



News Release

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Parker releases ETH125- High Force Electric Cylinder

The new 125mm frame size dramatically extends the thrust force capacity making it industry leading for ball screw technology and comparable to roller screws, for a fraction of the cost.

Irwin, PA, December 19, 2014 – Parker’s Electromechanical Automation Division, a leading supplier of motion control technology, is pleased to announce the release of the ETH125 electric cylinder.

Parker’s latest addition to the ETH product line serves to further extend the performance range of the series and create a family of products that maintains the greatest thrust density of any ball screw driven actuator on the market today. The ETH 125 is the fifth and largest frame size in the series and expands this line of industrial cylinder product to serve a much broader range of application requirements.



The ETH is the next generation of electric thrust cylinder product and utilizes a completely new integrated drive train and guidance design that has enabled Parker to maximize the overall thrust capacity within a smaller overall footprint. With the development of the 125mm frame size, Parker’s ETH now spans a thrust range up to 114,000 N (25,618 lbs), and has been designed to compete with similarly sized roller screw products and offers an energy efficient solution to hydraulic actuation.

With a wide range of standard configurable options as well as customizable solutions, the ETH is designed to solve today’s most challenging applications.

ETH High Force Electric Cylinder Features:

- Maximized thrust density and precision position control
- 5 frame sizes- 32, 50, 80, 100 & 125mm (DIN ISO 15552:2005-12 mounting footprint)
- Oversized ball screw and thrust bearings

- Maximum thrust- 114 kN (25,628 lbs)
- Maximum stroke- 2m (79 in)
- Maximum speed- 1.7 m/s (67 in)
- Maximum acceleration- 15 m/s² (1.5 G)
- Bi-directional repeatability- +/- 0.03mm (.012”), +/- 0.05mm for parallel mount (.020”)
- Duty cycle- 100%
- IP54 rated as standard with options for IP65 and higher
- Integrated anti-rotation device

For more information on Parker’s ETH line, please visit www.parkermotion.com/ETH

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 human-machine 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.