



News Release

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Parker announces North American production of the HMR- High Moment Rodless Linear Actuator Series

Now manufactured in the USA- the HMR attains greatly improved lead times and new customization options!

Irwin, PA, August 31, 2015 – Parker’s Electromechanical Automation Division, a leading supplier of motion control technology, is pleased to announce the domestic manufacturing for the complete line of High Moment Rodless (HMR) electromechanical linear actuator series.

“This move will serve to greatly improve product lead times as well as offering greater levels of customer support and customization options” says Jeremy Miller, Parker’s Linear Mechanics Product Manager. New customization options include a parallel motor mount, purge ports, multi-axis configurations, and pinning options, amongst a multitude of others.

In addition, the standard configurable option set has been extended to include a number of additional features including mounting to Parker Automation’s, North American motor and gearhead compliment. This includes ‘Express’ options for pre-mounted motors and gearheads from our most popular product families. These ‘Express’ options have been configured to maximize system performance and provide a competitively priced, complete electromechanical solution, captured in a single part number. Seamlessly pairing this actuator package with Parker’s complete line of servo drive and control products, provides truly optimized electromechanical system performance.



Parker’s new HMR, represents one of the most versatile actuator lines on the market today. With five different frame sizes, two different drive train options, multiple motor mounting, carriage and sensor options, and an IP54 protective cover option, along with a multitude of other customizable features, the HMR was designed with application optimization in mind

with a goal of reducing overall design time, along with simplifying the installation and integration of this actuator into a system.

“Guided by two precision square rail bearings, the HMR has enormous moment and payload capacity bundled in a low profile, yet sleek package,” says Miller. “The options of either a high-efficiency timing belt drive or a precision ball screw with multiple lead options allow the user to maximize performance within their system.” Ease of use was at the core of this new actuator design, by integrating externally accessible lubrication fittings into the carriage which evenly disperse lubricant across the bearing trucks and ball nut making for easier machine maintenance and driving down overall maintenance costs. In addition, there are options for two different chassis profiles, allowing the user to choose between a super-low-profile and cost-effective “basic” version, or a “reinforced” version providing great structural rigidity for long unsupported spans.

Potential applications for the HMR range from packaging equipment, material handling, robot transfer, or other general automation applications, but given the extensive adaptability of this actuator, it is ideally suited for seamless integration into any machine layout.

HMR High Moment Rodless Linear Actuator Features:

- 5 profile sizes: 085, 110, 150, 180 and 240mm
- Dual drive train: precision ball screw or high-efficiency timing belt
- Load capacity up to 26,600 N
- Max thrust to 5,560N (screw) and 4,000N (belt)
- Standard strokes up to 2300mm (screw) and 6000mm (belt)
- Max speed to 1.6 m/s (screw) and 5 m/s (screw)
- 2 Profile types: basic and reinforced
- Tandem and bi-parting carriage options
- Optional sensor locations: internal (protected under the cover) or external
- Belt version has four mounting locations at 90 degrees around axis of motion
- Easy lube fittings on carriage
- Pre-configured motor, gearhead, and control package options
- Diverse range of accessories and mountings
- IP54-rated cover option
- Ambient temperature range: -30°C to +80°C

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

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.