Press Release

CKL Compact Module with linear motor delivers high force density in compact package

Part of the complete Rexroth CKx family of compact linear motion modules, the CKL integrates an ironless linear direct drive motor with a Ball Rail® system for precise positioning and zero backlash.

The Rexroth CKL Compact Module supports travel velocities up to 5 m/s and is designed for fast installation and integration into handling and motion systems.

The compact, powerful and versatile CKL linear module with ironless linear motor offers a unique linear motion solution for applications where high dynamics and excellent positioning accuracy are required.

The new CKL Compact Module supports high load ratings and high rigidity; by integrating the ironless linear motor into the module, no mechanical drive elements are required to execute movement, making for a wear-free and zero-backlash drive that enables ultra-precise positioning and long service life.

A key part of Rexroth’s complete family of high-performance linear modules, it provides an excellent option for packaging and processing applications such as pick-and-place handling systems, feed units, loaders and palletizers.

It has been designed for easy configuration and installation, with pre-configured connections for power, measuring systems and hall sensor adaptors, as well as clamping fixtures with centering rings designed to fit easily with other Rexroth linear modules and aluminum structural framing that are part of Rexroth’s EasyHandling Solutions.
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The CKL Compact Module features:

- Available in a variety of pre-configured lengths up to 5500 mm
- Travel velocities up to 5 meters/second
- Acceleration up to 150 meters/second
- High load ratings and high rigidity
- Perfect tracking, high positioning and repetition accuracy
- Contactless drive -- no moving parts
- Low maintenance costs due to wear-free motor and central relubrication options

The CKL Compact Module is offered in multiple size and linear motor configurations, and is available as a complete package, including drive controller and control system and accessories such as digital or analog measuring systems, switches, sensors, power cabling trays and attachments.

By integrating an ironless linear motor with no moving parts into the CKL module, Bosch Rexroth’s new module offers outstanding reliability and lower maintenance requirements. Combined with the proven smooth, precise performance of the Rexroth linear rails and runner blocks the system uses, OEMs and system integrators can anticipate maximum uptime and long operational service.

For a list of specifications as well as available features and accessories please visit www.boschrexroth-us.com

About Bosch Rexroth
Economical, precise, safe, and energy efficient: drive and control technology from Bosch Rexroth moves machines and systems of any size. The company bundles global application experience in the market segments of Mobile Applications, Machinery Applications and Engineering, and Factory Automation to develop innovative components as well as tailored system solutions and services. Bosch Rexroth offers its customers hydraulics, electric drives and controls, gear technology, and linear motion and assembly technology all from one source. With locations in over 80 countries, more than 31,100 associates generated sales revenue of approximately $5.99 billion (5.4 billion euros) in 2015. To learn more, please visit www.boschrexroth.com

About Bosch
Having established a regional presence in 1906 in North America, the Bosch Group employs some 28,700 associates in more than 100 locations, as of April 1, 2015. In 2014, Bosch generated consolidated sales of $11.3 billion in the U.S., Canada and Mexico. For more information, visit www.boschusa.com, www.bosch.com.mx and www.bosch.ca.
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The Bosch Group is a leading global supplier of technology and services. It employs roughly 375,000 associates worldwide (as of December 31, 2015). The company generated sales of $78.3 billion (70.6 billion euros) in 2015. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiaries and regional companies in some 60 countries. Including sales and service partners, Bosch’s global manufacturing and sales network covers some 150 countries. The basis for the company’s future growth is its innovative strength. Bosch employs 55,800 associates in research and development at 118 locations across the globe. The Bosch Group’s strategic objective is to deliver innovations for a connected life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is “Invented for life.”

Additional information is available online at www.bosch.com, www.bosch-press.com, twitter.com/BoschPresse

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