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Quick commissioning – simply connect, click and get going

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Transfer parameters for Bosch Rexroth linear axes, multi-axis systems and electromechanical cylinders from the motor encoder data memory to the motor controller at the click of a mouse



Connect and read – never before have parameters been transmitted so quickly and securely. (Image source: Bosch Rexroth AG)

Up until now, anyone wishing to commission linear modules from Bosch Rexroth had to read various axis parameters such as maximum stroke or feed constant from the nameplate and enter them manually. This process wasted valuable time and was also prone to errors. To make commissioning easier for users and transfer the correct parameters to the motor controller automatically, Bosch Rexroth has improved and simplified the process.

With smart axis systems which comprise a linear axis or actuator and servo motor from Bosch Rexroth, all relevant parameters are already stored in the motor encoder data memory. For commissioning, users can transfer all parameters to the ctrlX DRIVE engineering software with just a few clicks, which means that their linear systems are ready for immediate use. A preconfigured system is provided, one in which all components are matched to each other, thus saving valuable time during commissioning.

Bosch Rexroth also offers practical tools and configurators to assist users in selecting, designing and ordering linear motion technology components and systems. With the selection and design tool LinSelect, linear axes and systems, Smart Function Kits and electromechanical cylinders can be designed for a specific application and ordered with just a few clicks.

Basic Information Bosch Rexroth

As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in 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. With its intelligent components, customized system solutions and services, Bosch Rexroth is creating the necessary environment

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for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, more than 31,000 associates generated sales revenue of around 6.2 billion euros in 2021.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,600 associates worldwide (as of December 31, 2021). The company generated sales of 78.7 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. 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." The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than 400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 76,100 associates in research and development, of which more than 38,000 are software engineers.

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