

PRESS INFORMATION

Maximum freedom and process reliability

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New NEXO cordless nutrunner from Bosch Rexroth for safety-critical tightening connections in numerous industries



Intuitive, modern and user-friendly: the new NEXO cordless nutrunner from Bosch Rexroth offers reliable performance and improved ergonomics. (Image source: Bosch Rexroth AG)

The new cordless nutrunner NEXO from Bosch Rexroth provides production companies with intuitive, modern and user-friendly tools with significantly improved ergonomics and reliable performance. The browser-based operating system and the modern display provide a clear overview of the current tightening results - on the host computer or directly on the display. The hand-held tool, available as a mid-handle or right-angle nutrunner, meets the requirements of the VDI/VDE 2862 guideline for category A tightening applications and is therefore suitable for safety-critical tightening operations.

Whether in the automotive industry, mechanical engineering or further industrial applications: In numerous industries, safety-relevant tightening processes must be carried out and documented precisely, repeatably and reliably. For production companies, the focus is on cost-effective assembly that is also as error-free as possible. With the new compact and ergonomic generation of the NEXO cordless nutrunner from Bosch Rexroth, these requirements are met quickly and safely.

The intuitive and modern user interface ensures ease of use. As the software is browser-based, no additional software needs to be installed on a computer, for example, for the initial setup and further configuration. Access is also possible from a tablet or smartphone. Since the controller is directly integrated into the tool, no external hardware is required. This allows the NEXO to work independently and flexibly in any production environment.

Decentralized operation and extended diagnostic options directly on the nutrunner's large colour display increase user-friendliness at every step of the process. The diagnostic function identifies fault-causing parts at the tool. This contributes to continuous system availability.

Thanks to the use of Bosch ProCORE18V batteries, which are well established on the market, the tools achieve high performance with reduced weight. Short charging times and simple battery changes with keep-alive function ensure minimal downtimes with the NEXO. At the same time, RGB LEDs on the tool body and tool base provide visual feedback to the user, even in unusual working positions.

The new generation of cordless nutrunners is also equipped with a modern WLAN module for significantly improved connectivity and network performance. This allows the tool to remain in the line during a software update. Thanks to a configurable manual mode, the tool can continue to be operated even in the event of a network failure.

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The entire hardware of the tool has been newly developed: A 4-core processor ensures future-proof and reliable computing power, even for complex applications. A new motor delivers maximum performance, also at high speeds. Maximum flexibility for every application is guaranteed by the modular output system and the optional customer interface. This enables simple and flexible hardware expansion, for example with a second start switch. The camera-based scanner can also be used to process 2D codes.



The current tightening results of the NEXO cordless nutrunner are clearly shown directly on the display and on the host computer. (Image source: Bosch Rexroth AG)

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 and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering and services, Bosch Rexroth is creating the necessary environment 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, around 33,800 associates generated sales revenue of 7.6 billion euros in 2023.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 429,000 associates worldwide (as of December 31, 2023). The company generated sales of 91.6 billion euros in 2023. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture user-friendly, sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch's innovative strength is key to the company's further development. At 136 locations across the globe, Bosch employs some 90,000 associates in research and development, of which nearly 48,000 are software engineers.

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