

PRESS INFORMATION

Maximum freedom and process reliability with the next generation NEXO cordless nutrunner

Jennifer Fanning | 11/25/2024 | USA | AT24002

The next generation NEXO cordless nutrunner from Bosch Rexroth handles safety-critical Industrial tightening applications.

The next generation cordless nutrunner NEXO from Bosch Rexroth provides the manufacturing industry with an intuitive, modern, and user-friendly design with significantly improved ergonomics and reliable performance. The browser-based operating system and integrated display provide a clear overview of the current tightening results and reliable connectivity to remote systems. The hand-held tool is available as a pistol or right-angle nutrunner and meets the strict requirements of the VDI/VDE 2862 for Category A tightening – which is ideal for safety-critical tightening applications. Whether in the automotive, aerospace, or general assembly, safety and quality critical tightening processes must be carried out and documented precisely, repeatably and reliably. For manufacturers, the focus is on cost-effective assembly, high throughput, and minimal defects. With the next compact and ergonomic generation of the NEXO cordless nutrunner from Bosch Rexroth, these requirements are achieved quickly and safely. The intuitive and modern user interface ensures ease of use. Accessing the tool is simply accomplished via your preferred browser over Wi-Fi or USB, allowing any connected device such as a laptop, smartphone or tablet to be used for setup, diagnostics, and monitoring. With the controller integrated directly onboard the tool, no additional hardware is required for operation, enabling the NEXO to work independently and flexibly in any production environment. With decentralized operation and enhanced diagnostic options directly on the large color display, users experience increased engagement at every step of the process. This provides clear worker feedback, contributing to higher uptime and improved ability to troubleshoot production issues directly in the work cell. Thanks to the use of the widely available Bosch ProCORE18V battery platform, the tools achieve high performance with reduced weight. Short charging times and quick battery changes are possible with an innovative keep-alive function to ensure minimal downtimes with the NEXO. In addition, multicolor LEDs on the tool body provide visual feedback to the user, even in difficult working positions. The new generation is also equipped with a modern WLAN module for Wi-Fi 6 connectivity and network performance. This improvement allows the tool to remain online during a software update or provide options such as a manual mode where the tool can continue to be operated with full functionality even in the event of a network failure. Our next generation NEXO also features an all-new hardware platform based on a 4-core processor ensuring reliable computing power, even for complex applications. A new servo motor delivers maximum performance, with improved power to weight and higher speeds. Maximum flexibility for every application is guaranteed by our modular output system. An available accessory interface further enables flexible hardware expansion with items such as an external trigger or handling device. The integrated camera-based scanner can also be used to process many new types/sizes of ID codes. Learn more about the NEXO cordless nutrunner [here](#).

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

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 more than 32,000 associates generated sales revenue of around 7.0 billion euros in 2022.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 421,000 associates worldwide (as of December 31, 2022). The company generated sales of 88.2 billion euros in 2022. Its operations are divided into four business sectors: Mobility, 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 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. The basis for the company's future growth is its innovative strength. At 136 locations across the globe, Bosch employs some 85,500 associates in research and development, of which nearly 44,000 are software engineers.

Press Contact

Please get in touch with our Press Contact

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Eden Estabrook

+1 7047148522

Eden.Estabrook@boschrexroth-us.com