

PRESS INFORMATION

Compact power packs for shredders

Manuela Kessler | 25.03.2026 | Lohr am Main / Germany | PI 007/26

Bosch Rexroth presents its expanded HYDROTRAC GMR 3000 gearbox series for recycling applications at IFAT



The new HYDROTRAC GMR 3360 double-tower gearbox is a compact solution for shredders with double shafts. (Image source: Bosch Rexroth AG)

For recycling plants, Bosch Rexroth offers users the HYDROTRAC GMR 3000 gearbox series, suitable for both mobile and stationary applications. It combines the proven advantages of Rexroth standard gearboxes with further developments that the company has designed specifically for the requirements of high-performance shredders. With the new HYDROTRAC GMR 3360 double-tower gearbox, the company now also offers a particularly compact solution for use in shredders with double shafts.

A classic task in recycling is the shredding of components. Shredders used for this purpose have to process a wide variety of materials. They often operate under partial loads, but must also be able to cope with load peaks and safely handle blockage situations. Stationary systems in particular are often in operation around the clock and under high dust loads, which requires maximum reliability and durability.

To meet these requirements, Bosch Rexroth has developed the robust HYDROTRAC GMR 3000 gearbox series based on its proven standard gear units. Designed for mobile and stationary applications, it can be used for both hydrostatically and electrically driven shredder shafts. With output torque demands from 60 to 450 Nm, it is suitable for use in a wide variety of shredding machines. All nominal sizes offer flexible output options, either via a ring gear or an output shaft, and can be combined with the extensive Rexroth motor portfolio.

Overload protection in the machine's hydraulic system is provided by a combination of specially developed valve technology and an attached Rexroth hydraulic motor. For electrically driven shredder shafts, an optional overload module, in which the clutch is actuated and monitored by the Rexroth RC5-6/40 controller, can provide additional protection for the machine and gearbox against total failure in the event of blockages.

Double-tower gearbox for double shaft shredders

The newly developed GMR 3360 double tower gearbox now offers users a particularly compact solution for shredders with two shafts. The high power density is achieved for the torque range from 110 to 330 kNm in standard market axis distances and is also available with synchronization as an option.

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With the HYDROTRAC GFT series, Bosch Rexroth also offers travel drive solutions for mobile recycling solutions with undercarriages such as crushers and shredders. Bosch Rexroth will be presenting the expanded gearbox series at IFAT, Hall B4, Booth 452.

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 32,600 associates generated sales revenue of 6.5 billion euros in 2024.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 417,900 associates worldwide (as of December 31, 2024). According to preliminary figures, the company generated sales of 90.5 billion euros in 2024. 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 86,900 associates in research and development, of which nearly 48,000 are software engineers.

Press Contact

Please get in touch with our Press Contact



Manuela Kessler

Spokesperson
technology topics
+49 9352 184145

Manuela.Kessler@boschrexroth.de