

PRESS RELEASE



Bonfiglioli presents new EVOX Platform

The new helical In-Line geared motor platform EVOX from Bonfiglioli is an innovative approach for the geared motor market. Efficiency, reliability, modularity and performance were the drivers behind the development of the EVOX geared motor platform. Thanks to an enhanced modularity concept, EVOX represents a step forward for the product range of Bonfiglioli, with solutions for a wide spectrum of applications. The uncompromised selection of commercial components, the broad use of gear grinding processes, and specific "low noise" gear design make the EVOX platform a benchmark product in terms of reliability and efficiency.

The first products of the EVOX geared motor platform are the new helical In-Line gearmotor CP combined with the new asynchronous IE3/NEMA premium high efficiency electric motors. The synergies between these two new concepts create an efficient, strong, small and simple gearmotor ecosystem. The In-Line gear units already released are: 55, 100, 200, 335 Nm with motor power between 0.12 and 1.5 kW IE3. Will follow sizes 500 and 650 Nm with motor power between 2,2 and 7,5 kW. The EVOX Platform is characterized by a new simple and clean design, suitable for any application environment furtherly featured by optional C3/C4 surface protection or by ATEX rating (explosion proof protection).

The EVOX CP gear unit is ideal also for higher precision demanding applications, thanks to the reduced backlash configuration available in the standard catalogue. EVOX CP also helps eliminate any customer experienced friction, thanks to an innovative lubrication concept that allows the gearmotor to be used in any mounting position, thus overcoming the need of changing oil level and oil plugs configuration. This will give our customers the freedom and flexibility to use the product in any orientation.

The geared motors will be available both in compact and IEC flanged versions, allowing customers to choose between a standardized motor and a dimensionally optimized configuration. BXN motor, the IEC standard, and MXN motor, the compact version, share most of the configuration and options, including brake, incremental and absolute encoders, thermal sensors and switches. The new standard motor terminal box is shaped with its nine PIN connectors, for up to eight different voltages at 50Hz or 60Hz power supply with a single winding, making it suitable for the EU, US, Indian and Australian market. Further six windings cover the rest of the world.

Bonfiglioli R&D team designed the entire EVOX platform to enable condition monitoring and predictive maintenance, both sensed and sensorless. During the development of the EVOX CP gearmotor, a complete mathematical model relating thermal behaviors of the gearmotors to the electrical variables has been developed. This will enable effective sensorless condition monitoring and predictive maintenance directly managed by our AxiaVert Inverters acting as an edge computer. In the near future, the EVOX Platform will include other product range extensions.

About Bonfiglioli

Bonfiglioli is a worldwide designer, manufacturer and distributor of a complete range of gearmotors, drive systems, planetary gearboxes and inverters, which satisfy the most challenging and demanding needs in industrial automation, mobile machinery and renewable energy. The Group serves more industries and applications than any other drive manufacturer and is a market leader in many sectors; its three business

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units - Discrete Manufacturing & Process Industries, Mechatronic & Robotics and Mobility & Wind Industries - embody all the expertise and experience acquired over the years in the respective industries. Established in 1956, Bonfiglioli operates worldwide in 80 countries with 24 branches 10 of which with assembly, 13 production facilities, a wide distribution network comprising more than 550 partners, and can count on over 4.000 professionals. Excellence, innovation, and sustainability are the drivers behind our growth as a company and team and represent the guarantee of the product and service quality we offer our clients.

More information available at: www.bonfiglioli.com.

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EVOX is Bonfiglioli's new geared motor platform. Efficiency, reliability, modularity and performance were the drivers behind the development of the EVOX platform.

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