

PRESS RELEASE



Bonfiglioli presents new premium frequency inverter series AxiaVert: Simply Smarter

Top-level functional safety, high control performance and IIoT-ready solution for a wide spectrum of applications

The new AxiaVert Series provides the ultimate combination of flexibility, modularity and connectivity, aimed at offering an optimal response to specific industrial application requirements across a wide range of sectors and with different degrees of complexity. AxiaVert is now available in 4 sizes, with a power range between 0.25 – 15 kW. Higher power versions will be released at a later stage.

The advanced digital and open communication protocols, complying with automation and Industry 4.0 standards, allow a smooth integration into automation networks, thanks to the compatibility with a great variety of fieldbus protocols and machine controllers. Communication encryption is embedded by design in AxiaVert to ensure secure communication. In addition, thanks to condition monitoring functions on the key inverter components as well as on the gearmotor critical parameters, AxiaVert is able to provide real time diagnostics, energy optimization and predictive maintenance information related to the motion system up to the entire machine.

The wide range of advanced integrated functional safety functions, in compliance with EN ISO 13849-1 and IEC 61508 international standards, are available in different versions, to select the most suitable option in terms of costs and performance and match the actual needs. This approach simplifies configuration and reduces the need for external safety components, while ensuring a safe and controlled operation of different movements (e.g. lifting applications), thanks to Safe Brake Control and fast spindle axes with Safe Limited Speed, even sensorless.

Thanks to its modular structure and PLC software programmability, the system can be flexibly adapted and customized to meet many different application requirements, by defining the proper software parameters and functions, and selecting the most suitable hardware modules, such as communication or encoder modules, variants and accessories. In addition, the AxiaVert Series offers a great variety of frame and power sizes, mounting variants and cooling concepts for greater freedom of design.

Great process versatility is ensured by the high compatibility with a wide range of motors (asynchronous, synchronous, synchronous reluctance) and by its high speed, position and torque control accuracy, both for open and closed loop applications.

Finally, user-friendliness is ensured by AxiaManager engineering software for programming, commissioning, operation and monitoring of AxiaVert. AxiaManager is available as a Windows PC GUI and as a mobile App for an instant access to the drive status and configuration with a simplified user interface.

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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AxiaVert is Bonfiglioli new premium frequency inverter series which provides the ultimate combination of flexibility, modularity and connectivity.

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