

PRESS RELEASE



Traditional and cutting-edge solutions presented by Bonfiglioli @Agritechnica 2023

Bologna – 12 November 2023 – After four years from the last edition, Bonfiglioli returns to Hannover from 12 to 18 November 2023 to showcase the future of agriculture with innovative and sustainable technologies at Agritechnica. The main **hydraulic** and **electric** solutions for **sprayers** and **feed mixers** will be shown. In addition, a special corner at its booth is being dedicated to **field robots**.

Sprayers and feed mixers in the name of reliability, efficiency, cost optimization and flexibility

On display for sprayers is Bonfiglioli's **600 W Series** of planetary wheel drives, which can be coupled to a **high-power density electric motor**, instead of a conventional hydraulic one in order to reduce fuel consumption and the risk of oil spills. Characterized by a **high torque (in 4.000 – 40.000 Nm range)**, the Series is also available with an **integrated dynamic service brake**, with a compact design that allows to reduce the number of mechanical components, in favour of enhanced reliability and an overall low-maintenance system.

600 WT wheel drives with the new integrated hydraulic motors (45 or 68 cc) are the best choice for wheeled agricultural equipment. Its option of an **integrated dynamic service brake** makes the **600 WT** extremely compact and versatile.

Finally, the **709TS gear unit** for feed-mixers is easily interchangeable with market standards, offering proven reliability through extensive field testing.

The future of Agriculture is electric with Bonfiglioli

Bonfiglioli also presents two successful bundles with an **integrated electric motor** conceived to be more **sustainable**.

The first system of products was engineered *ad-hoc* for an autonomous electric viticulture robot: this wheeled **agricultural field robot** combines a **brushless permanent magnet motor (BMD)** with a **MP planetary gearbox** and an **EM parking brake**, resulting in a **versatile** and **silent** robot whilst its **performance** stays in value of **94%** at **standard rating**.

The second one was designed for FieldRobotics, a Bolognese start-up, for which Bonfiglioli developed a **tracked wheel drive (701 CE)** featuring a **BPM** series motor.

Both tailor-made **electric** bundles share the same goal, which is to shield the fields from chemicals and dust, thereby making the machines greener, ensuring winemakers and farmers the privilege to offer a *premium crop*.

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Bonfiglioli Group

Bonfiglioli designs, manufactures and distributes a wide range of gearmotors, electric motors, planetary gearboxes and inverters, capable of satisfying the most complex needs in the industrial automation, mobile machinery and renewable energy sectors. The Group offers complete solutions that serve more industries and applications than any other gearbox manufacturer and is the market leader in many areas; the three Business Units, Discrete Manufacturing & Process Industries, Motion & Robotics and Mobility & Wind Industries, express all the experience and skills acquired over the years in their respective fields of expertise. Founded in 1956, Bonfiglioli operates in 80 countries with 26 commercial sites, 20 production sites, an extensive distribution network that includes over 550 partners, and can count on over 4,800 professionals worldwide. Excellence, innovation and sustainability are the drivers that guide Bonfiglioli's growth as a company and as a team and represent the guarantee of the quality of the products and services offered to its customers.

Further information is available on the website www.bonfiglioli.com.

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