



Press release:

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**Title:** The missions of Exxact Robotics within the Exel Industries group

### **The missions of Exxact Robotics within the Exel Industries group**

Exxact Robotics is a subsidiary of the Exel Industries group, international leader in agricultural spraying, with the following brands: Berthoud, Tecnomax, Nicolas, Agrifac, Hardi ....

Exxact Robotics is the Innovation and R&D centre for the Exel Industries Group and its subsidiaries.

From analysing market needs to pre-production and distribution to early adopters, our teams invent, design and develop complete solutions. Our mission is to develop technologies such as robotics, artificial intelligence, optronics, mechatronics and data sciences for the agronomy and agriculture of tomorrow. Exxact Robotics specialises in precision farming solutions, particularly suited to viticulture and arable farming.

Among the latest innovations developed by Exxact Robotics and taken through to the marketing phase, we offer:

#### **The TRAXX**

TRAXX is an autonomous straddle tractor with a diesel engine for narrow vineyards. It is available in two track widths. The TRAXX is designed for soil-working operations. Equipped with a 56-hp engine and a 110-litre diesel tank, TRAXX can work for 30 to 35 hours with a fuel consumption of 3 to 4 litres per hour. The TRAXX is an innovative solution for winegrowers, combining performance, reliability, durability and respect for the environment. TRAXX is currently manufactured and marketed by TECNOMA, a subsidiary of the EXEL Industries group.

#### **3S Spot Spray Sensor® Technology**

The 3S Spot Spray Sensor® technology uses on-board cameras on the sprayer booms combined with real-time image analysis by artificial intelligence to detect pests and modulate spraying. The 3S Spot Spray Sensor® system is a major innovation in precision spraying, offering significant advantages in terms of input reduction, precision, adaptability and sustainability.





### **A concept: the TRAXX Concept H2**

Exact Robotics is also developing concepts such as the TRAXX Concept H2, which is the first autonomous vineyard straddle carrier powered by a hydrogen fuel cell. It was presented at the World FIRA in 2023. The TRAXX Concept H2 has been designed to meet the growing demand for CO2-free agricultural solutions. In addition to its environmental benefits, hydrogen makes it possible to create a machine that is quieter and recharges quickly in 15 minutes, while allowing 12 hours of work.

### **Exact Robotics at FIRA 2025**

At this year's FIRA 2025, Exxact Robotics will be presenting and demonstrating the new TRAXX Diesel range, which is now available with a different track width. This new version of the TRAXX incorporates a number of advances, including improved safety features, a reinforced chassis and an optimised cowling. These developments have been designed to improve reliability, safety and operational performance.

To find out more, come and meet us on the Exxact Robotics stand No. 22 at WorldFira 2025.

Best regards.

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