



**YANMAR**

News Release

March 2, 2023

Yanmar Europe B.V.

## Yanmar Delivers YV01 Smart Spraying Robot to France



The Yanmar YV01 vineyard robot.

Épernay, France (March 2, 2023) - Yanmar has announced that its new smart vineyard robot, the YV01, is now in full production and available for the champagne and wine market in France. With a suite of advanced technology, the spraying robot is fully autonomous. It relieves wine growers of labor-intensive work in vineyards and improves productivity, profitability and safety. The vineyard robot will be sold and serviced by Yanmar Vineyard Solutions SAS, a dedicated, new Yanmar Group company in France.

**Improved profitability and safety**

The autonomous smart spraying robot was developed in close cooperation with premium wine makers and the CIVC, the organization that manages production, distribution and promotion of champagne, utilizing their many years of practical experience. After successful field testing with pilot customers in the Champagne region, the value of Yanmar's spraying robot was clear: it improves profitability for the grower and safety for the operator.

At the same time, the robot was developed with an eye to the changing vineyard business landscape and will address current and future labor shortages in Europe while helping to manage compliance with ever stricter environmental requirements.

### **Remote precision operation in steep and narrow vineyards**

The autonomous spraying robot easily navigates steep slopes and narrow vineyard alleys in all weather conditions. It utilizes advanced spraying technology to ensure that the aerosol droplets are accurately applied to vines, minimizing environmental impact. The compact and lightweight YV01 can navigate slopes of up to 45% while its light weight limits soil compaction even when driving in muddy conditions. The robot is easily transported on a small truck or trailer. In addition, the operator can remotely monitor the YV01 via a simple remote control, safely out of range of spraying fluids and with no risk to the operator from overturning.

### **Gamechanger for wine farmers**

"This kind of machine is a gamechanger for the region's wine growers," said Yanmar Vineyard Solution's Jean-Benoit Bourlon. "The YV01 will transform vineyard operations by easing workloads, reducing costs, and increasing both productivity and workplace safety. The YV01 robot is also much quieter than traditional spraying machines, a point that is highly appreciated by both the operators and their neighbors. Both large and small vineyards are set to benefit from the technology."

### **New, dedicated Yanmar Group company in France**

Established in Épernay, France, Yanmar Vineyard Solutions SAS is close to our customers, at the heart of the champagne and wine production region. The newly founded Yanmar Group company will be focusing on the:

- Introduction of the YV01 smart spraying robot into vineyard market
- Sales, service and support for autonomous vineyard operation
- Rollout of a professional dealer network with existing and new dealers
- Continuous development of technology and new features, e.g., weeding
- Rollout to other wine areas in France and other European countries

### **YV01 Technical Data**

Performance: Autonomous operation  
Weight: One ton  
Fuel: Gasoline  
Engine: air cooled, 2-cylinder, 4-stroke  
Power: 25,3 horsepower  
Fuel tank: 19 liters  
Speed: 4 km per hour  
Tank for spraying: 200 liters  
Slope: Up to 45%  
Lateral slope: Up to 20%

### **About Yanmar**

Founded in 1912 in Japan and celebrating its 110th anniversary, Yanmar is a global brand and leader in the design and manufacturing of advanced performance diesel engines and final equipment. You will find Yanmar products in a wide range of applications in agriculture, construction, energy systems, industrial and marine. For more information, visit us at <https://www.Yanmar.com/eu/About-Us/>.

Note: Information contained in the news release is valid at the time of publication and may differ from the most recently available information.

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