

# YV01

## THE 100% AUTONOMOUS SPRAYER



**YV01**

JAPANESE INNOVATION  
FOR THE FRENCH VITICULTURE.



 **YANMAR**

# YANMAR AND THE PILLARS OF ENGINEERING FOR INNOVATIVE SOLUTIONS

A major focus of YANMAR'S activity is the design and manufacture of advanced products and engines for various applications:

## AGRICULTURE

A diverse portfolio of agricultural machinery such as tractors and transporters.

## MARINE

Engines for extensive marine applications such as fishing, sailing, yachting and work boats.

## CONSTRUCTION MACHINERY

Excavators, loaders, carriers.

## INDUSTRY

Energy systems such as generators, welding machines and site lighting.

## AND NOW!

A breakthrough for the winegrowing industry. The launch of a 100% autonomous robot vineyard sprayer providing un-matched features and cost-effective benefits.



## YV01

# A BREAKTHROUGH FOR WINEGROWERS: YANMAR LAUNCHES ITS 100% AUTONOMOUS SPRAYER FOR VINEYARDS.

A breakthrough for winegrowers. YANMAR presents **YV01**, an autonomous spraying robot set to transform the industry. **YV01** will make vineyards of all sizes more operationally effective, eco-friendly, flexible and safer.



YANMAR'S innovative solution offers many operational advantages to winegrowers:

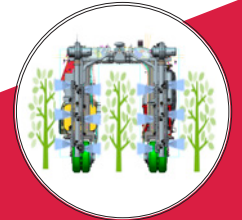
- ✦ A unique, technically advanced spraying system
- ✦ **YV01** handles slopes up to 45%
- ✦ It is light, flexible and easily transportable on an everyday 3.5 T truck or trailer
- ✦ Its balanced size and wide crawler tracks diminish soil compaction to a minimum
- ✦ Leading edge components and a state-of-the-art gasoline engine mean downtime and energy costs are slashed
- ✦ **YV01** uses pinpoint accurate GPS technology, and no driver is needed
- ✦ It's ideal for vineyards with narrow paths and shorter wine trees.

## ELECTROSTATIC SPRAYING

At the heart of **YV01** is groundbreaking electrostatic spraying technology which ensures that all surfaces of the plant - exposed or hidden - are treated efficiently and economically.

### The result?

The amount of water, or chemicals, used is precisely measured and none is wasted - a major benefit for the environment and for a vineyard's bottom line.



## TECHNICAL DATA

Type	YV01
Performance	Autonomous operation
Weight	One ton
Fuel	Gasoline
Engine	Honda IGX 800, air-cooled
Power	27 horsepower
Cylinders	4
Fuel tank	19 liters
Speed	4 km per hour
Tank for spraying	200 liters
Slope	Up to 45%
Lateral slope	Up to 19%



Discover the world of  
**YV01** on the website.



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