

VITIROVER
SOLUTIONS

NEW SOLUTION

Solar 4WD Professional Autonomous
VITIROVER ROBOT MOWER



Get rid of Glyphosate, Plowing and Massive Tractors !



VITIROVER Professional Robot Mower

A very effective and ecological solution to maintain vegetation without damaging soils nor trees.

Vitirover mows unwanted vegetation within designated plots. It runs very gently, cutting unwanted vegetation as close as possible to obstacles such as trees, stakes or pillars.



Green and autonomous

VITIROVER produces its own solar energy. It is autonomous and does not consume any fossil fuels.

No more chemical weeding

VITIROVER preserves the environment by providing precise weed control without the use of chemical weedkillers or tillage.

Respect the soil

VITIROVER respects the soil thanks to its light weight, avoiding compaction caused by large tractors.

Zero damage

VITIROVER cannot damage or destroy plants or industrial installation supports. It gets close to obstacles (trees, vines or pillars), smoothly at a very low speed.

OUR MARKETS



ENERGY



TRANSPORT



VINEYARDS



ORCHARDS



EDUCATION



Vitirover starts in the vineyards, one of the toughest agricultural environments to maintain because of the density of obstacles, and has now adapted to many other environments.



ECO-FRIENDLY



ESG LEADER



COST SAVING



SOLAR ENERGY



AUTONOMOUS

CHARGING DOCK STATION

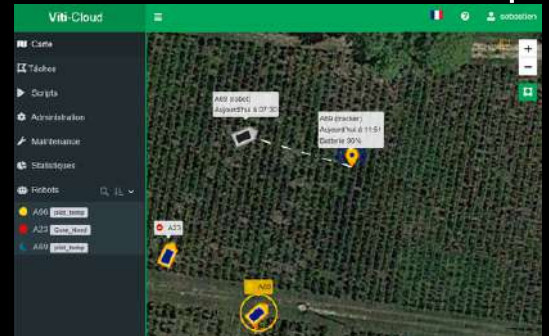


The solar panel mounted on top of VITIROVER allows the robot to work up to 6 hours a day, depending on the sunshine.

For the robot to work daily and permanently, the VITIROVER Charging Dock Station can be installed on any agricultural or industrial plot.

REMOTE WEB DASHBOARD

The Viti-Cloud web-based dashboard allows the robots' shepherds (robots fleet managers) to monitor, maintain, manage and even remotely drive robots. The dashboard will provide live technical information such as battery level, motor consumption, mowing efficiency, plot coverage, etc. It will also publish detailed data reports. The robots shepherds will be able to take over robots thanks to a remote and live transmission from the cameras.



INTERNATIONAL RECOGNITION



FONDATION
NICOLAS HULOT
POUR LA NATURE
ET L'HOMME



SPECIFICATIONS	VR OUTDOOR	VR UNIVERSITY
● DIMENSIONS [cm] (L x W x H)	75 cm x 40 cm x 30 cm	75 cm x 40 cm x 30 cm
● DIMENSIONS [in] (L x W x H)	29"1/2 x 15"3/4 x 11"3/4	29"1/2 x 15"3/4 x 11"3/4
● WEIGHT (kg / lbs)	27 kg - 59 lbs	24 kg - 53 lbs
● CONSUMPTION	1 W/kg - 0.45 W/lb	1 W/kg - 0.45 W/lb
● AUTONOMOUS MOVEMENT	YES	YES
● MAX SPEED	900 m/h - 0.55 MPH	900 m/h - 0.55 MPH
● WHEEL DRIVE	4 WD	4 WD
● DRIVE MOTORS	4 (1 per wheel)	4 (1 per wheel)
● SOUND LEVEL (dBA)	40 dBA	40 dBA
● MAX SLOPE (based upon soil)	15 to 20%	15 to 20%
● WEB BASED DASHBOARD	YES	YES
● CUTTING BLOCK	2 Rotating Grinders	OPTION
● CUTTING HEIGHT (cm / in)	5 to 10 cm - 2" to 4"	-
● CUTTING WIDTH (cm / in)	30 cm - 11"3/4	-
● PRECISION TO OBSTACLE	< 1cm - < 1/2"	-
● FRONT CAMERAS (RGB)	2	2
● INERTIAL SENSOR	IMU	IMU
● POWER SUPPLY	Solar Panel	Solar Panel
● CHARGING DOCK STATION	Solar / Direct	OPTION
● GEOLOCATION (GNSS)	GPS, GLONASS BEIDOU, GALILEO	GPS, GLONASS BEIDOU, GALILEO
● GEOLOCATION (RTK)	YES	YES
● SECURITY GEOLOCATION	Security Battery	Security Battery
● ANTI-THEFT / SAFETY SHUT-OFF	Remote / Lift / Auto	Remote / Lift / Auto
● SAFETY FEATURE	Lift Auto Shut Off	Lift Auto Shut Off
● EMISSIONS (CO2/Chemicals)	0	0
● SOFT DESIGN KIT	-	Protobuf (JSON) via USB
● ROBOT OPERATING SYSTEM	-	ROS Compatible
● OPTIONAL SENSORS	-	LIDAR / Ultrasound



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