

AGREENCULTURE

A French company that designs, develops and produces autonomous solutions for the agricultural world.

We co-design robotic solutions with farmers and manufacturers that respect the land and Human labour.



THOMAS BUGNON
NURSERYMAN

The robots arrived three years ago on the farm. They are a new generation of tools that provide us with solutions and improve the quality of work.



French Startup



Since 2016



45 employees



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CEOL

THE AUTONOMOUS AND VERSATILE CRAWLER



Co-designed
with farmers



A team dedicated to
your success



Designed and built
in France



AGREENCULTURE

AGRICULTURE 2.0

CEOL is an autonomous crawler that allows the mechanical maintenance of the vines row and inter-row. CEOL reduces the constraints of farmers, while respecting the soil, as it is :



ACCURATE TO THE CM

Guided by GNSS RTK, the AGCbox : Agreenculture's positioning and guidance box, offers automatic steering with centimetric accuracy to guarantee quality work as close to the row as possible.



SECURE

The Safe fencing certification ensures that CEOL will not leave its defined working area. It is also equipped with detection sensors that allow it to slow down and stop in case of an obstacle.



ECO-FRIENDLY

Equipped with tracks and lighter than a tractor, its hybrid system reduces diesel consumption by 3 to 5 times compared to a conventional tractor. CEOL maintains the soil between the rows and between the vines. Autonomous, it saves fuel at all times without creating a rut.



MULTIFUNCTIONAL

The classic category 1, 3 point linkage allows CEOL to tow or carry a range of equipment of different sizes and thus robotise much of the work carried out today with a tractor.



COST-EFFECTIVE

An 8-hour day of tractor driving turns into 2 hours of CEOL management.



AUTONOMOUS

CEOL works autonomously, without breaks and without the need for human presence, for up to 20 hours.



EASILY TRANSPORTABLE

CEOL fits on a trailer. For delicate manoeuvres (loading, unloading, etc.), it can be operated manually, in electric mode, thanks to its radio control.



EASY TO USE

CEOL's digital interfaces have been designed in collaboration with farmers. In addition to its simple mechanics and maintenance, CEOL is equipped with a range of options that allow the user to adapt his machine according to his needs.



TIME SAVING

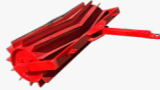

The automation of repetitive tasks takes the farmer out of his cabin so that he can concentrate on managing his farm.



“ AN 8-HOUR DAY OF TRACTOR DRIVING TURNS INTO 2 HOURS OF CEOL MANAGEMENT. ”



TOOLS

-  Narrow frame
-  Large frame
-  FACA roller
-  Shredder
-  Kress fingers
-  Inter-vine hoe
-  Crumbling disk

TECHNICAL DETAILS

TEMPLATE

Length	170 cm
Width	Adjustable from 72 to 110 cm
Ground clearance	21 cm (16 cm with weights)
Track width	18 cm
Ground pressure	< 215 g/cm ²
Lifting height	30 cm
Lifting capacity	300 kg

ENERGY

Thermal autonomy	> 20 h
Traction power	24 kW
Propulsion	electric at 48V
Battery autonomy	60 to 90 minutes

STEERING AND POSITIONING

Geo-positioning	GNSS RTK (centimetre accuracy)
Maximum speed	6 km/h
Safety	Emergency stop button
Dedicated application	Adjustable parameters