

naio
Technologies



ORIO

THE MOST VERSATILE
TOOL-CARRIER

Available in two versions (Narrow & Large), this robot helps growers while reducing soil compaction. ORIO takes care of your crops from sowing to harvesting. Designed for large-scale vegetable and crop growers, it has already demonstrated its versatility to ingenious and daring customers.

Many crops can be sown and weeded, including young trees in tree nurseries. ORIO's high-precision premium tools are placed as close to the crop as possible, with surgical precision generated by RTK GPS autoguidance and the camera-guided translator.



ORIO ADVANTAGES



PROFITABLE

- Reduce your weeding times
- Kill the weeds and increase yields
- Reduce your energy costs (€1/ha)



ACCURATE

- Centimeter RTK GPS guidance
- Camera-guided implement positioning to stay close to the row



COMFORT

- Reduce labor intensity and manual catch-up
- Watch the work mission with your app
- Save time for other tasks



SUSTAINABLE

- A 100% electric tool-carrier
- Reduce your greenhouse gas emissions
- Reduce your chemical inputs



LIGHT

- Avoid soil compaction with less than 1.7 tons battery included
- Widen operating windows
- Maintain the fertility and life in your soil



VERSATILE

- Have time to do false-seeds
- Seed your specialty crops with accuracy
- Attach implements on the 3 point linkage

CHOOSING ORIO MEANS :

- **Saving time and freeing up** your staff to focus on high value-added tasks
- **Leaving the robot work** without on field supervision, thanks to a CE-certified safety system
- **Monitoring** progress and robot operation remotely using the Naïo Companion application
- **Working on non-straight seedbeds** thanks to the camera-guided translator



PREMIUM IMPLEMENTS FOR HIGH-QUALITY WORK

Naïo Technologies tests and validates the range of compatible implements so that the robot and implement can operate with great accuracy and high efficiency.

Users can put ORIO at work with several implements on most technical itineraries:

- *pneumatic precision seeder*
- *precision hoe*
- *tine harrow*

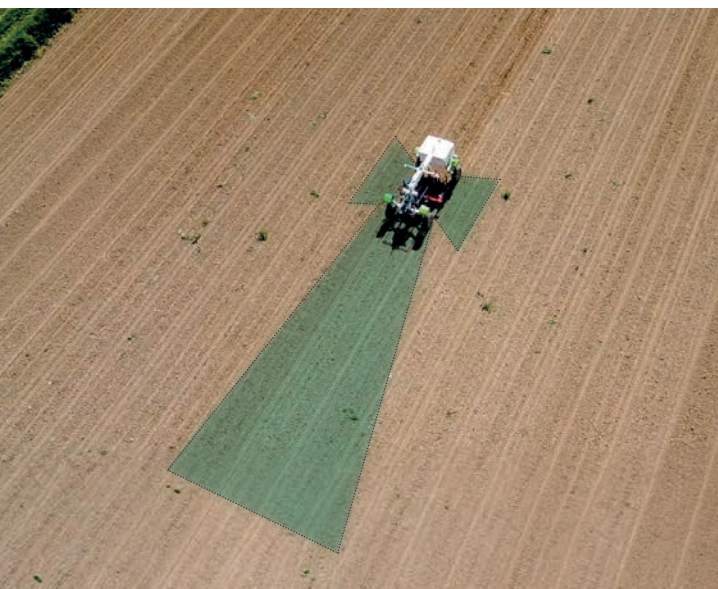
EASILY MAP YOUR CROPS

1. With your tractor's recording: record the preparation of the beds with an RTK GPS. Send us the cartography generated so that our teams can adapt and optimise it for use with the ORIO robot.

2. With ORIO right from sowing: attach your seed drill to ORIO to record the working lines. Define points A and B on your plot and your spacing. ORIO records them and generates a map that will be used for all its missions on the sown crop.

3. With Easy Mapping: during your planting operation, use the GPS antenna supplied with ORIO to record the passes made by the planter. Naïo Technologies optimises the mapping so that it can be used at any time.

Naïo Technologies is the only manufacturer legally authorized to let its robots work autonomously and unsupervised.



NAÏO COMPANION APP

Manage your robot from your smartphone thanks to an intuitive interface and powerful features.

- Save your tools and their settings
- Consult your work maps
- Monitor the work progress, battery level

YOUR TESTIMONIALS



"We saw the ORIO robot as a way of reducing the painful work for our teams. It exceeded our expectations on the majority of the steps in the technical itinerary for sowing and weeding the country's future trees."

NADLEŚNICTWA PODANIN - Ministry of Forestry (Poland)



"One of the advantages of ORIO is that it reduces the risk of being overtaken by weeds. This will reduce the need for time-consuming and costly manual catch-up operations."

ALEXANDRE FERRAND - Farmer (France)

TECHNICAL SPECIFICATIONS

	NARROW	LARGE
MOTORS & BATTERIES		
Rated/maximum power	12 kW / 20 kW	12 kW / 20 kW
Battery capacity (standard / HD)	21 kWh / 32 kWh	21 kWh / 32 kWh
Maximum area worked per day	up to 7ha	up to 9ha
Fast charge 20 to 80% (standard / HD)	2h / 3h30	2h / 3h30
DIMENSIONS & WEIGHT		
Adjustable track width	150 <-> 175 cm	180 <-> 215 cm
Minimum / maximum width	173 cm / 198 cm	203 cm / 238 cm
Length / Height	428 cm / 210 cm	428 cm / 210 cm
Unladen weight (including batteries - standard / HD)	1450 kg / 1550 kg	1600 kg / 1700 kg
PERFORMANCE & SAFETY		
Working speed	0,5 <-> 5,6 km/h	0,5 <-> 5,6 km/h
Lift capacity	700 kg	700 kg
Augmented Autonomy (no supervision)	yes	yes

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Certified
(B)
Corporation

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ANS
DE GARANTIE

CE

FC

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