

**naio**  
Technologies



**TED**

THE GAME CHANGER  
FOR VINEYARDS &  
TREE NURSERIES

**D**esigned in collaboration with the IFV (French Wine Institute), TED expands the work windows for a wide variety of tasks in the vineyard. TED is available in two versions to suit your vineyard, up to 2.35 m high. This autonomous straddler robot has the widest arch on the market (1.05 m).

Thanks to Augmented Autonomy, TED does not require on-site supervision and operates within a clear and protective legal framework for the user. The Naïo Companion smartphone application can be used to monitor work progress. Take advantage of its low weight to avoid compaction and protect the fertility of your soil.



## TED BENEFITS



### PROFITABLE

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



### ACCURATE

- Centimeter RTK GPS guidance
- Control weeds in the row
- Manage complex U-turn zones



### COMFORT

- No more hand catch-up in the vines
- Monitor the site from your application
- Make time for other tasks



### SUSTAINABLE

- The first 100% electric straddle robot
- Reduce your greenhouse gas emissions
- Reduce your chemical inputs



### LIGHT

- Avoid soil compaction
- Widen your windows of intervention
- Maintain the fertility and life in your soil



### VERSATILE

- Adapt available mechanical implements on the market
- An EVOLT® electric inter-vine from Boisselet
- Electric sockets for animated implements

## CHOOSING TED MEANS :

- **Saving time and freeing up** your staff to focus on high value-added tasks
- **Letting the robot work in the vineyard** without on field supervision, thanks to a CE-certified safety system
- **Monitoring** progress and robot operation remotely using the Naïo Companion App
- **Reducing compaction**, respecting soil life and combining tools in a single pass.



# A WIDE RANGE OF IMPLEMENTS YOU CAN COMBINE

Attach implements you own and new-generation mechanical weeding implements. The design of the TED robot allows **up to 3 implements** to be combined on its standard bars.

## A wide choice of tools :

- EVOLT® intervine
- mechanical intervine
- ploughshares
- lump breakers discs
- serrated discs
- weeding fingers

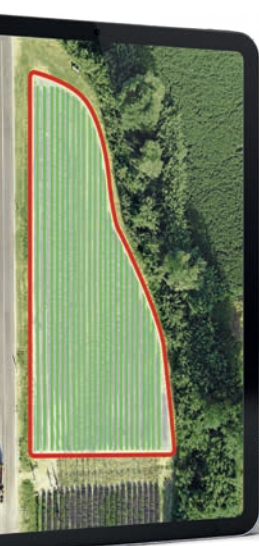
# EASILY MAP YOUR VINES

**1. When planting:** retrieve RTK GPS maps of vines already planted or install the GPS antenna (supplied with your TED) to record the planting site.

**2. Manual mapping of vines in production:** record the position of your vines by placing the GPS antenna on a surveyor's pole and taking points at the foot of your vines, in winter conditions to limit the impact of vegetation on the accuracy of the recording. Create as many points as you need for each row of vines, depending on how long they have been there, and if points A and B at the beginning and end of the row are not enough.

**3. Mapping by drone:** to ensure the compatibility and accuracy of the maps produced by drone for the TED robot, send these maps to our teams.

*In situ validation of the vines is required for Augmented Autonomy work (no on-site supervision required). Naïo adds a virtual geofencing to the plot map.*



# 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



*"At first, I was impressed by the quality of the autoguidance. Now, with Augmented Autonomy, there is no need to have someone behind to monitor a repetitive task and a validated route."*

**RENAUD FRIEDERICH, MANAGER**  
Domaine du Gibeau (Cognac area)



*"We wanted to limit certain herbicides in a proven context of labor shortage. This electric robot seemed ideal to address economic, ecological, and social challenges."*

**FABIEN RAYMOND, TECHNICAL DIRECTOR**  
Château Labégorce (Bordeaux area)

## TECHNICAL SPECIFICATIONS

MOTORS & BATTERIES	TED L 200	TED XL 235
Rated/maximum power	10 kW / 18 kW	
Battery capacity (standard / HD)	26 kWh / 39 kWh	
Maximum area worked per day	up to 6,5 ha	
Fast charge 20 to 80% (standard / HD)	2h40 / 5h	

### DIMENSIONS & WEIGHT

Track Width / Width / Length	1,59 m / 1,90 m / 4 m	
Height (under arch / overall)	2 m / 2,40 m	2,35 m / 2,75 m
Unladen weight without implements (including battery and standard bars)	2 100 / 2 200 kg	2 130 / 2 230 kg

### PERFORMANCE & SAFETY

Working speed	0,1 <-> 4,5 km/h	
Lift capacity	600 kg	
Augmented Autonomy (no supervision)	yes (up to 2,2 km/h)	

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