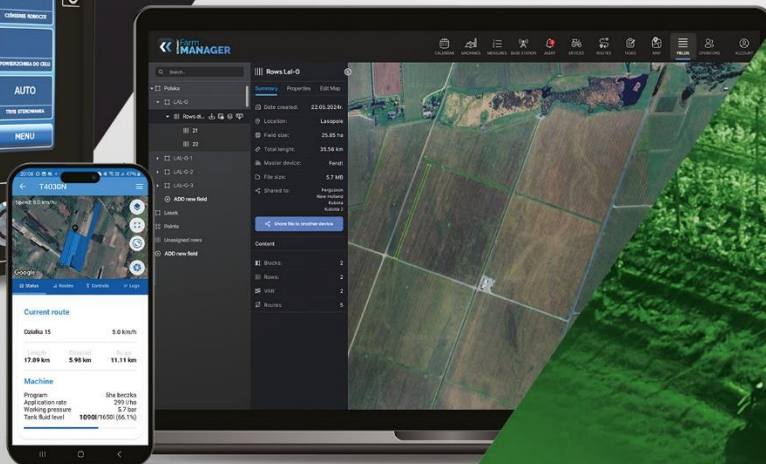




AUTONOMOUS DRIVING SYSTEM

for Spraying, Mowing and Planting



APPLICATION

Auto DRIVE is the most advanced product of GOtrack. Users working on areas of 2 hectares or more appreciate the advantages of this solution. Auto DRIVE can be installed on any tractor model available on the user's farm.

The autonomous driving system controls the parameters and trajectory of the tractor and simultaneously controls the operation of the sprayer and mower.

SYSTEM PROGRAMMING

In order to program the device for operation, the user has several methods to choose from, to be used according to needs, these are:



performing and recording a registration trip



marking points A and B on the map,



lap of the field,



uploading digital plantation maps.



FUNCTIONALITY



Auto DRIVE autonomous driving system is a product with the highest available functionality. **This system combines the functions of all other GOtrack family products, i.e.:**

PRODUCTS:

GOtrack Remote CONTROL

A remote control system for a tractor using a wireless control panel.

GOtrack Line ASSIST

Row parallel driving system, including obstacle detection.

GOtrack eSpray PRO

Sprayer computer maintaining constant liquid output per hectare with navigation and automatic section valve engagement.

SOFTWARE:



An application for mobile devices with the Android system for real-time monitoring of parameters of performed treatments and reviewing reports on the work performed.



Vehicle, Machinery and Farm Management Manager

SAFETY SYSTEMS



1. OBSTACLE DETECTION SYSTEM ODC



is a solution designed to **detect and recognize obstacles in the vicinity of a moving vehicle.**

The device uses a multi-level spectrum of object space detection. Specially prepared **algorithms using AI and effectively recognize and identify the type and location of objects**, i.e. people, animals, trees, vehicles, fences.



2. OPTICAL SENSOR

safety - detection of space in front of a moving machine



3. SAFETY BUMPER

anti-collision protection system

4. VIRTUAL FENCE

entering fence coordinates



NEW!
COMING SOON!

AUTO DRIVE SYSTEM FUNCTIONS

DESCRIPTION

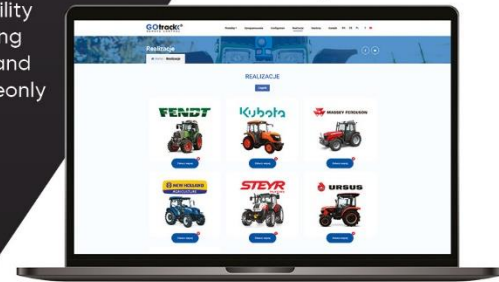
- › automatic and unmanned control of driving functions
- › start and stop - starting and stopping the engine
- › driving forward, stopping the tractor, autonomous driving
- › driving speed regulation
- › wireless control
- › drive control, parallel driving in between rivers - trajectory assistant
- › automatic correction of the trajectory by making corrective turns
- › automatic recognition of obstacles on the route
- › increasing safety during night travel
- › cruise control
- › playing the memorized trajectory and other travel parameters without the presence of the operator in the tractor

Auto DRIVE is a Retrofit type of system that allows for autonomous driving of any model of orchard or agricultural tractor. Thanks to the GOtrack solution, work using a tractor and an aggregate machine for spraying, mowing or mechanical weed control can now be carried out without the presence of a driver. This frees up huge resources of the operator's working time, the device can work around the clock. Considering the limited availability of qualified tractor drivers and the rising costs of wages, investing in a reliable and multi-tasking Auto DRIVE system is the only reasonable alternative.

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our portfolio!



COMPONENTS OF THE SYSTEM

BASE SET



MAIN CONTROL UNIT



COMPUTER



CLUTCH DRIVE



BRAKE DRIVE



STEERING WHEEL DRIVE



SMART PANEL



WIRELESS CONTROL PANEL

SAFETY MODULES



ODC OBSTACLE DETECTION SYSTEM



LINE ASSIST BASIC OPTICAL SENSOR



SAFETY BUMPER



VIRTUAL FENCE (coming soon)

* ADDITIONAL MODULES

Extending functionality



RTK BASE STATION



EHR MODULE



LASER SENSOR LINE ASSIST PRO




SPRAYER MODULE




EXTENSION MODULE



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