



GoTrack®

Line
ASSIST



LINE ASSISTANT

automatic inter-rows
driving





Line ASSIST PRO

is a device designed for work performed with a tractor together with implements, i.e. weeders for mechanical weed control, mowers, crown saws, defoliation machines. Turning is performed by the steering wheel drive. The Pro model is designed for use during travels in the inter-rows at a speed ranging from low to high up to 15 km/h and the expected precision of vehicle centering between rows up to approx. 3 cm



PRUNING TREES AND BUSHES



MECHANICAL WEED CONTROL

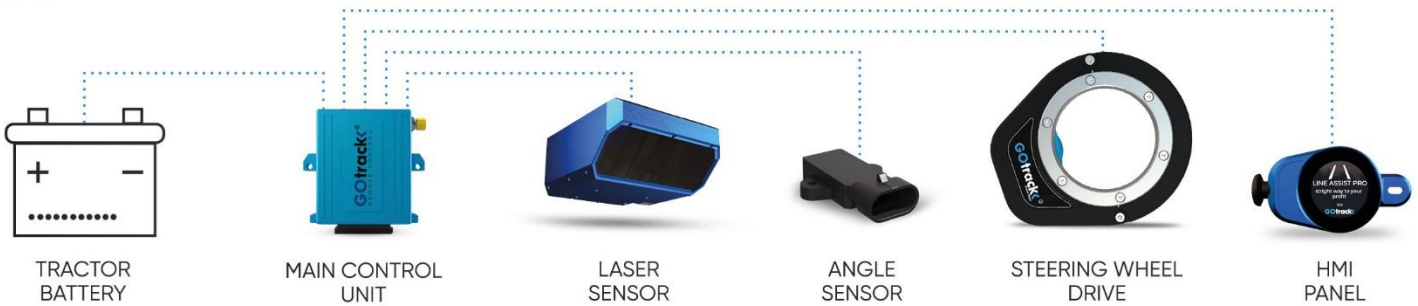


INSTALLATION OF ANTI-HAIL NETS



COLLECTION OF VEGETABLES AND FRUITS

LINE ASSIST PRO INSTALLATION DIAGRAM

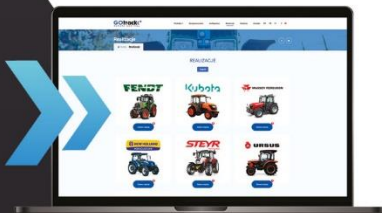


LINE ASSIST SYSTEM FUNCTIONS

- > parallel driving of a tractor or self-propelled platform along one or two rows of plants
- > end of row detection
- > detection of obstacles on the vehicle's path
- > automatic platform stop when the end of rows is detected
- > automatic stopping of the platform when an obstacle is detected on the road
- > automatic control of the tractor/platform travel direction
- > full and precise control of the steering wheels of the tractor/platform
- > increased safety
- > parameterization and diagnostics of the device using a service application for Android smartphones

DESCRIPTION

Line Assist is a driving path assistant that enables automatic and parallel driving of a tractor or self-propelled platform along the inter-rows in an orchard or vineyard. Thanks to this solution, the user can drive without having to control the steering wheel. The system recognizes the space in front of the machine and makes corrections to the driving path in order to maintain a constant distance from the trees, bushes and obstacles surrounding it in the row. During night drives, the optical sensor provides greater detection of the surroundings than the human eye. The device is a stand-alone set or can be a supplement to other products, i.e. GOtrack remote control.



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Line ASSIST BASIC T

for tractors, it is used for performing treatments such as spraying, mowing grass, weeding in the inter-rows, under-crown aggregation with additional machines attached to the tractor. The operator does not have to focus on controlling the position of the tractor in relation to the rows, steering is done automatically with high precision. The system regulates the tractor steering wheel inclination so as to guide it in the central position in the inter-rows. Thanks to this, the operator's attention can be focused on controlling the remaining parameters of the performed treatments. Installation can be done on any tractor model equipped with power steering.



LINE ASSIST BASIC T INSTALLATION DIAGRAM

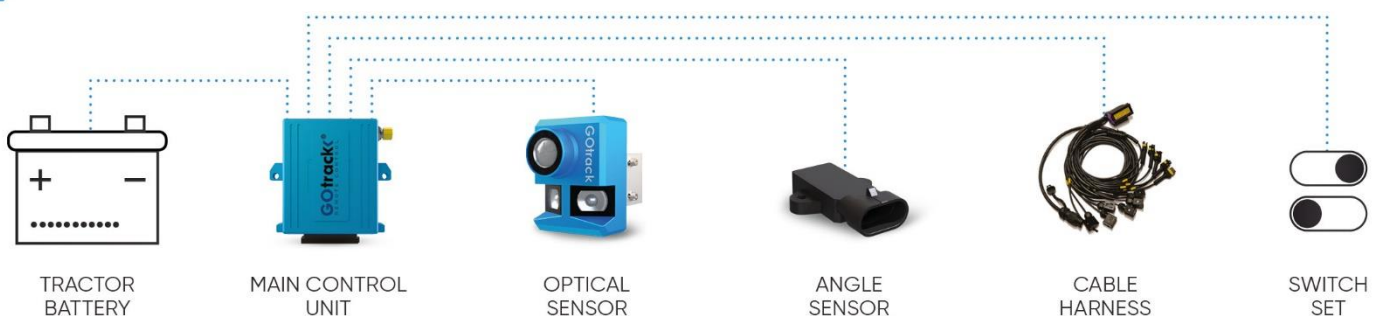


Line ASSIST BASIC P

for platforms is used for all work with mobile work platforms. During continuous or intermittent movement of the platform along the inter-rows, the operator does not have to focus on controlling the position of the moving vehicle. Steering is carried out automatically with high precision. The system controls the hydraulic valves responsible for the tilt of the platform's steering wheels. Installation can take place on any self-propelled platform equipped with hydraulic solenoid valves responsible for turning the machine.





LINE ASSIST BASIC P INSTALLATION DIAGRAM





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