Shaanxi Shangyida IoT Technology Co., Ltd.
029-8579-6416
shangyidaservice@gmail.com
https://www.sydauto.com/
3rd Floor, Building B6, No. 176 Biyuan 2nd Road, High-Tech Zone, Xi'an City, Shaanxi Province, China

INTELLIGENT ORCHARD MANAGEMENT ROBOT – LINGXI 604 (TRACKED)

Product Description

The Intelligent Orchard Management Robot – Lingxi 604 (Tracked) is mainly composed of control mechanisms, steering mechanisms, power transmission systems, and supporting field management devices. It can perform multiple tasks such as trenching, weeding, fertilizing, seeding, and vine burying, making it suitable for various types of land. It is also compatible with existing tractor-mounted implements. Additionally, it is equipped with an intelligent navigation system that enables unmanned operation, freeing farmers' hands from manual labor.

Performance Characteristics

- Strong Compatibility
- Intelligent Navigation
- Precision Operation
- 5000 Nm of Powerful Torque
- Suitable for Different Terrains
- Easy Operation and Maintenance
- Supports Multiple Tasks
- Remote Adjustment of Operation Modes and Parameters

Product Features

1. It can add or replace different operation devices and functional modules according to the needs of orchard management. It can perform various tasks such as trenching, weeding, fertilizing, seeding, and plowing, providing comprehensive support for orchard management.
2. Using a crawler-type structure, it has excellent obstacle-crossing performance and maneuverability, adapting to the operational needs of various complex terrains, including mountainous, plains, and wetland orchard environments.
3. It is compatible with existing tractor-mounted implements, allowing flexible coordination to enhance equipment versatility and flexibility.

4. Equipped with an intelligent navigation system, it can achieve autonomous navigation and operation, reducing labor input and improving operational efficiency, accuracy, and automation.
5. It is equipped with precision manipulation and steering mechanisms, enabling precise operation and navigation to ensure operation quality.
6. Equipped with a data monitoring system, it can real-time monitor orchard environmental parameters and operation conditions. Based on this data, it intelligently adjusts operation modes and parameters, providing accurate data support for orchard management decisions.
7. It is easy to operate and maintain, reducing training costs and time.

Product parameters

Project Name	unit	Details
Model Name	/	3GG_29 crawler orchard management machine
Dimensions	mm	2500X1300X1100
weight	KG	2600
matching (engine calibration) power	KW	29.4
Calibrated (rated) speed	r/min	2600
Engine transmission mode	/	Direct connection
Track pitch	mm	90
Number of track sections	knots	58
Track width	mm	280
gauge	mm	1020
Matching rotary tillage device type	/	Rotary blade type
Maximum working width of matching rotary tillage device	mm	1250
Type of matching ditching device	/	Disc blade type
Maximum working width of matching ditching device	mm	300
Type of matching mowing device	/	Throwing knife
Control method	/	Remote control/unmanned

Application Scenarios

Unmanned seeding machine

Unmanned Lawn Mower

Unmanned trenching machine

Unmanned plowing machine

Unmanned rotary tiller