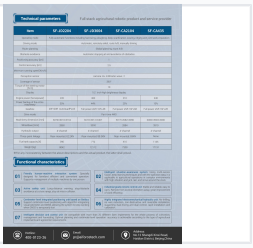
Autonomous Operation System for Agricultural Machinery

This autonomous operation system is compatible with various types of agricultural machinery. It allows for fully autonomous completion of tasks such as harrowing, plowing, and sowing.

ADDITIONAL IMAGES



Overview

Autonomous Agricultural Operations

This advanced unmanned operation system enables full autonomy for standard agricultural machinery, supporting tasks such as harrowing, plowing, sowing, and ridging. Designed to tackle labor shortages, the system allows a single operator to manage a fleet of tractors with centimeter-level precision. It features multi-sensor fusion for 24/7 operation in complex environments, ensuring high efficiency, safety, and energy conservation.

Performance Metrics

Precision & Performance

1 cm	2.5 cm	1 km/h	360 degrees
Positioning Accuracy	Control Accuracy	Min Running Speed	Sensor Coverage

Technical Specifications

Model Specifications

Feature	Model JD2204	Model JD3004	Model CA2104	Model CA435
Power (hp)	220	300	210	430
Weight (kg)	8042	12112	7300	17191
Fuel Tank (L)	390	772	410	1135
Wheelbase (mm)	2860	3050	2884	3910

Operational Capabilities

Supported Tasks

- Harrowing
- Ploughing
- Deep scarification
- Ridging
- Sowing
- Joint land preparation

Driving Modes	Automatic, Remotely Aided, Route A/B, Manual

Safety & Technology

Safety Features

Active Safety Unit • Obstacle Avoidance • Long-distance Warning • Micro-collision Detection