

XAG R150 Unmanned Ground Vehicle

Spray Version

**Autonomous Operations with Smart Control,
One System for Multiple Farming Tasks**

Born for the future of unmanned farming system, R150 is the first mass-produced agricultural robotic platform of its kind. Embarked with XAG JetSprayer™ System, it can conduct fully autonomous, precise spraying operation at max efficiency of 5 hectares per hour. Powerful scalability and multiple operation modes enable a wide range of applications from crop protection to disinfection



MAKE AGRICULTURE SMARTER



*Max efficiency is measured when R150 continuously operates on plain fields with the speed of 1.2m/s and spray width of 12m.

Precise Spraying in Every Direction

Jet Spray Atomisation, Adjustable Droplets

Just right onto the target areas. High pressure jet engine projects focused, high-speed airflow that can atomise the liquid into 60-200 µm particles.

Outlet velocity reaches up to 160 m/s, with max. wind force being at grade 6

100L

smart liquid tank

12m

Max. spray width

4.8 L/m

Rated flow

5 ha/h*

Max. efficiency

Smart Pan Tilt, Omni-directional Spray

Brush less direct-drive pan tilt and embedded gyroscope facilitate spot spraying and 360° coverage

Vertical swing: 200° max. angle ; 360°/s max angle velocity

Horizontal swing: 290° max. angle; 180°/s max. angle velocity

Multi-scenario Applications

Orchard crop protection/ public space disinfecting/ golf turf maintenance/ highway weeding/ urban landscaping



Safe with Precision Mobility

SUPERX3 Pro RTK Drive Control System

RTK cm-level accuracy navigation for auto drive

Optical positioning aided to ensure precise operation

AI mobility control to predict road condition

Real-time transmission in high-speed 4G+wireless networking

Strong Momentum, Traverse with Ease

Enabled by high-performance brushless motors and four-wheel drive on multiple terrains. Electric braking system prevents skidding

1000 N-m max. torque

150 kg load capacity

1.2 m/s standard operational speed

0.7 m min. turning diameter

Simple Structure, Yet Durable

High-strength integration steel frames for over all protection

Adjustable ground clearance increases stability on slopes

Lightweight design allows free movement between dense orchards

Modular Design, Easy-to-maintain

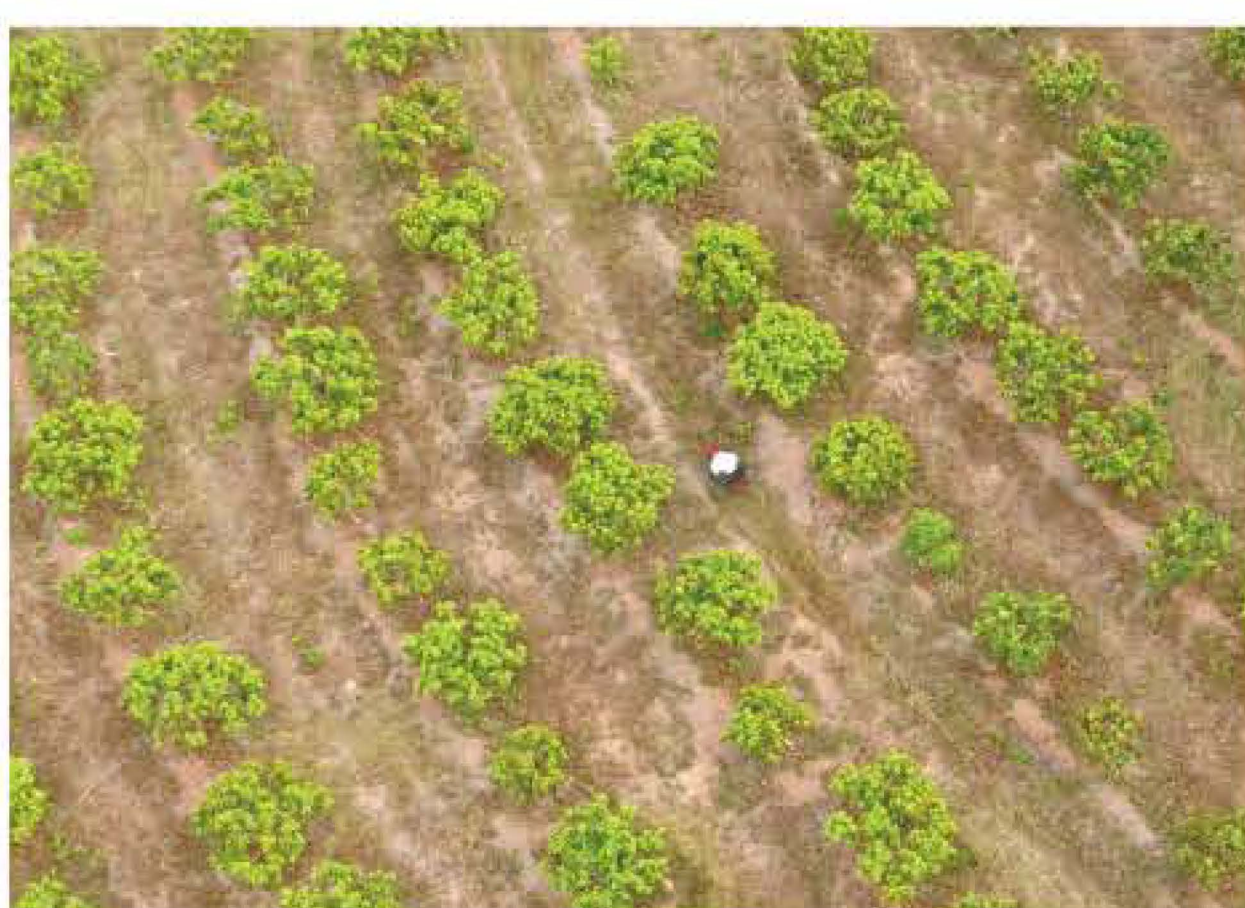
Easy switch between different wheel sets to adapt various terrains

IP67 waterproof and dust-resistance, convenient maintenance

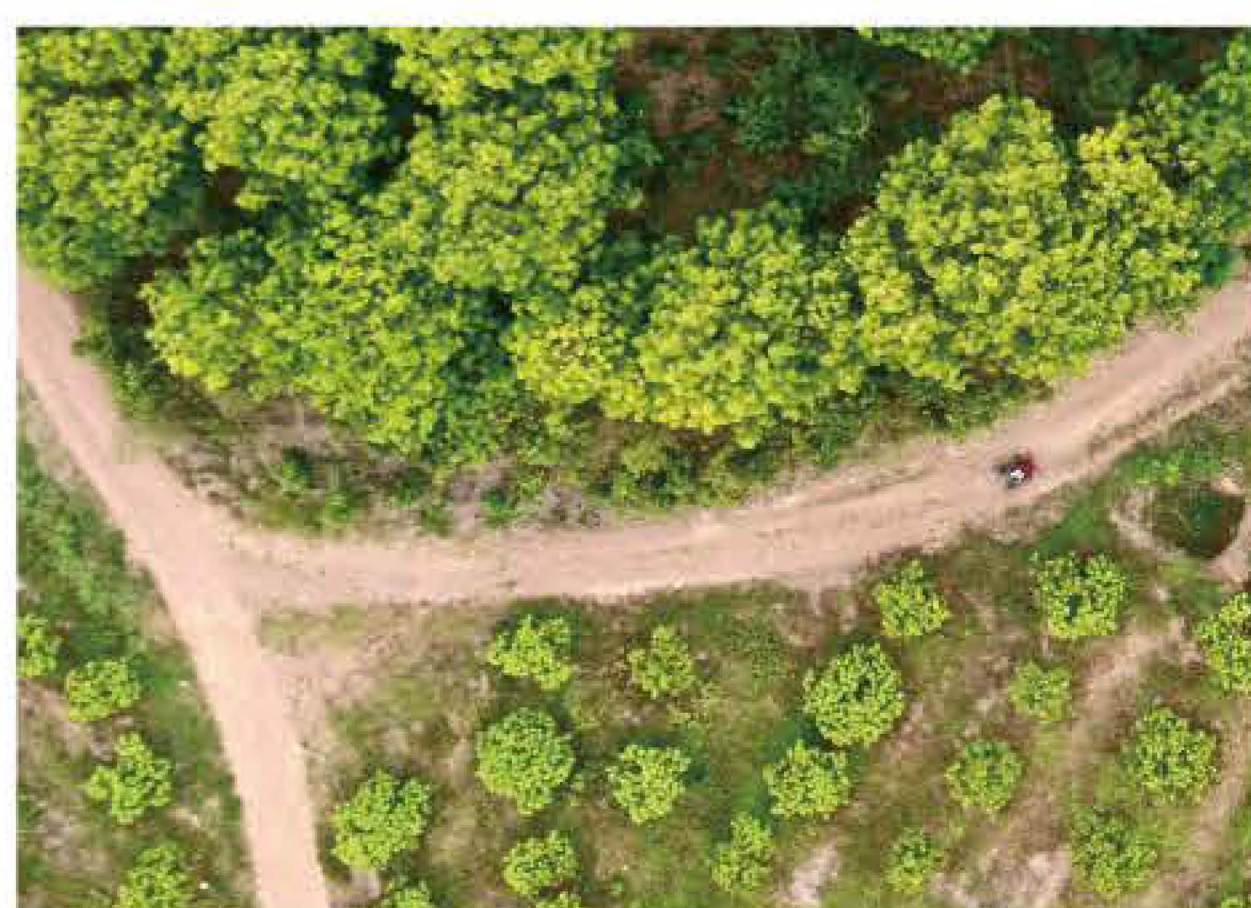
Smart Control, Easy-to-use

2 interaction Patterns: start immediately with XAG Remote Controller or use smartphone to enable autonomous driving

4 Operation Modes: support waypoint, shuttle, follow-me, and remote control that adapt to different application scenarios



Waypoint mode



Shuttle mode



Follow-me mode



Remote control mode

15-min Charge, 4-hour Endurance

Less waiting, endless power on the go

4-hour unloaded endurance, power supply by dual batteries IP67

protection for water-cooling, longer battery life XBMS intelligent

battery management with self-balancing



CM12500 Intelligent Supercharger

AC charging, cost-effective

2500W rated power, 15 min supercharge*

Laboratory research data under general operating conditions. Specific performance may vary depending on the working environment, user habits, daily maintenance, etc.



Contact US : INFO@XAGAUSTRALIA.COM.AU

02 9168 7918

5/11 Jullian Cl, Banksmeadow, NSW, 2019

WWW.XAGAUSTRALIA.COM.AU

