



WJ-T-900A — Tracked Hybrid-Electric Autonomous Mower

Flagship all-terrain slope & rough-grass platform · 900 mm cut · slopes up to 40°

A tracked, hybrid, fully-autonomous flail mower built for the steep, overgrown, hard-to-reach ground where wheeled mowers can't safely operate — embankments, dams, solar farms and orchard/vineyard rows.

- Hybrid-Electric
- 900 mm Flail
- 40° Slope
- Rubber Track

Key Features

- **Rubber-track chassis, up to 40° slope** — stable on dam levees, embankments and orchard/vineyard rows; low ground pressure
 - **900 mm lifting deck**, 2 flail + 1 straight blade, 20–150 mm — mulches tall grass, weeds and brush into fine clippings
 - **RTK-GNSS autonomy**, no boundary wire — maps array rows, embankments and orchard alleys; repeatable scheduled routes
- **Hybrid powertrain** Briggs & Stratton 810cc + 48V LiFePO4 drive; peak 3,000–4,000 m²/h with all-day endurance
 - **Remote sites, no power** — hybrid drive runs all day; swappable battery with quick hot-swap
 - **LiDAR + 360° avoidance** — detects panels, posts, trenches, equipment and people, then stops and reroutes

Technical Specifications

Platform	Rubber-track hybrid-electric, all-terrain	Net Weight	325 kg
Cutting Width	900 mm	Cutting Height	20 – 150 mm (lifting deck)
Blades	2 flail + 1 straight	Blade Speed	3,000 rpm
Peak Efficiency	3,000 – 4,000 m²/h	Travel Speed	0 – 6 km/h
Max Climbing Angle	≤ 40°	Powertrain	B&S 810cc hybrid + LiFePO4 48V drive
Battery Endurance	~2.5 h (battery); hybrid extends all-day	Battery Swap	Hot-swap supported
Fast Charger	20A, ~2.5 h (included)	Navigation	RTK-GNSS autonomous, self-developed path planning
Obstacle Avoidance	LiDAR fusion (dynamic obstacles)	Control	Large-screen 2.4G remote + mobile APP with alarms

Operation	Autonomous scheduled routes + manual remote	Field Proven	Water-diversion levees, solar farms, orchard slopes
-----------	---	--------------	---

Standard Systems (included with every unit)

RTK-GNSS autonomous navigation with self-developed path planning — **no boundary wire** · LiDAR fusion obstacle avoidance for dynamic obstacles (people, animals, debris) · Large-screen 2.4G remote controller + mobile APP with alarms · Swappable lithium battery pack (hot-swap) · 20A fast charger · Auto charging dock

Typical Applications

- Orchard & vineyard inter-row
- Solar / PV farm vegetation
- Dam & river embankments
- Roadside & rail slopes
- Land reclamation & rough brush

WANJI — Jining Wanji Intelligent Technology Co., Ltd. · Autonomous Mower Division
Web: www.wanji-imp.com · Email: wendemin@wanji-imp.com · Tel/WeChat: +86 138 1126 1642
Specifications are based on the WANJI 2026 autonomous mower range and are subject to change without notice; final configuration confirmed per order. WANJI is the export sales arm of the manufacturing group.