

One Autonomous Fleet for Every Terrain You Maintain

Pair the tracked, slope-rated WANJI T1 with the zero-emission wheeled R1 to cover rough brush AND manicured turf — steep and flat, remote and urban — with fewer staff on the ground.

WANJI MACHINERY · EXPORT SALES ARM OF THE MANUFACTURING GROUP

Professional vegetation contracts almost never contain just one kind of ground. A single site can include steep embankments and dams, rough brush and reclamation, orchard rows and solar arrays *and* open parks, green belts and manicured lawns. One mower can't do all of it well, and manual crews are expensive and risky on the dangerous parts. The WANJI T1 + R1 fleet is built to split that work: a **tracked hybrid for slopes and rough growth** and a **wheeled electric for clean, quiet, finished turf**.

The problems on site



Mixed terrain, mixed needs

One contract can include steep embankments, rough brush, orchard rows and solar arrays AND open manicured lawns — no single mower does both well.



Dangerous ground for crew

Slopes, ditches, dams and live infrastructure put manual mowing teams at risk and are hard to staff.



Conflicting tender rules

Urban zones demand zero emission and low noise; remote rough ground demands endurance and slope capability.



Downtime & scheduling gaps

Relying on one platform or on manual crews means missed compliance windows and idle equipment.



Margin pressure

Fuel, labor and transport keep eroding routine vegetation contracts; operators need higher-margin, differentiated services.



Coverage must be provable

Asset owners and municipalities increasingly want documented, repeatable coverage — not a crew that "got most of it."

The WANJI T1 — rough, sloped, hard-to-access ground

Up to 40° slope, rubber tracks

Handles embankments, dams, ditches and pads where wheeled mowers tip or spin.

900 mm deck, flail + straight blade

Mulches tall grass, brush and rough growth; 3,000–4,000 m²/h for large-area throughput.

Hybrid drive + swappable battery

Briggs & Stratton 810cc hybrid with LiFePO4 drive motors — long endurance on remote sites without mains power.

The WANJI R1 — clean, quiet, manicured turf

790 mm deck, zero emission

Even, manicured finish on parks, estates and sports turf; ~2,000 m²/h, quiet enough for urban zones.

4WD in-situ zero-turn + LiDAR

Threads around trees, beds, paths and the public safely and precisely.

Auto dock + swappable battery

~2 h / ~4,000 m² per pack; autonomous scheduled routes on built-up and facility sites.

Both platforms share: RTK-GNSS autonomous navigation with no boundary wire · LiDAR fusion obstacle avoidance · large-screen remote + mobile APP with alarms and fleet monitoring · swappable lithium batteries and 20A fast chargers — so one crew and one workflow run the whole fleet.

What this means for you

For vegetation-management & O&M contractors

- Win broader, full-site contracts — rough and fine, slope and flat — with one autonomous fleet.
- Take crew off dangerous slopes and live infrastructure; lower labor and fuel cost per site.
- Documented, repeatable, schedulable coverage for compliance reporting.

For dealers, distributors & rental partners

- Two complementary platforms to sell across municipal, agricultural and industrial buyers.
- A higher-margin, differentiated offering vs. conventional ride-on and push mowers.
- Spare-parts supply, technical training and demo units from the manufacturer.

Propose a field evaluation across one of your sites

We suggest deploying a T1 and an R1 across a representative site — a slope/brush zone plus an open turf zone — to measure coverage, slope handling, runtime and cut quality against your real requirements. We'll provide full specs, fleet/dealer pricing and a demo-unit plan. Reference FOB unit prices from **USD 6,830 (T1)** and **USD 7,190 (R1)**, maximum configuration.

WANJI — Tianjin Wanji Imp. & Exp. Trading Co., Ltd. · Autonomous Mower Division

Web: www.wanji-imp.com · Email: wendemin@wanji-imp.com

Tel / WeChat: **+86 138 1126 1642** · Robotic Mowers | Mini Excavators | Agricultural Machinery