SALESONE-PAGER · ENGLISH · WJ-T SERIES · ATTACH TO EMAIL OR PRINT TO PDF

Autonomous Mowing Where Wheeled Mowers Can’t Go

The tracked, slope-rated WANJI T series mulches tall grass and brush on solar arrays, dams, embankments and orchard rows — up to 40° — autonomously, with fewer crew on dangerous ground.

WANJI MACHINERY · EXPORT SALES ARM OF THE MANUFACTURING GROUP

The hard part of vegetation management isn’t the flat lawn — it’s the steep, overgrown, hard-to-reach ground: PV arrays and wind-farm access, dam faces and road embankments, vineyard and orchard rows, reclamation and rough brush. Wheeled mowers tip or spin there, and sending crews with trimmers is slow, costly and dangerous on slopes and around live infrastructure. The WANJI **T series** is a **tracked, gas-electric, fully autonomous mower** built specifically for that ground.

The problems on site

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Steep ground wheeled mowers can’t hold
Dam faces, road/rail embankments, berms and pads run 30–40°; wheeled ride-ons tip or spin and crews won’t safely work them.

☀️
Solar & wind farms: vast and inaccessible
Vegetation under PV arrays and around turbine pads must stay low, but rows are low, uneven and remote — manual crews are slow and costly per hectare.

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Tall grass & brush, not lawn
Reclamation, rough growth and orchard/vineyard alleys need a heavy 3-blade deck that mulches tall grass and brush — fine turf mowers clog and bog down.

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Hazardous for manual crews
Slopes, ditches, live electrical infrastructure, heat and wildlife make hand-held trimmer work risky; staffing and insurance keep getting harder.

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Remote sites, no power, long runs
Far-from-base sites need all-day endurance and quick battery swaps, not a machine that must return to a charger every hour.

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Coverage must be documented
Asset owners require documented, repeatable clearance on schedule — not a crew that “did most of it.”

The WANJI **T series** — built for slopes, brush and hard-to-access ground

Up to 40° slope on rubber tracks
Climbs embankments, dams, ditches and array rows where wheeled mowers tip, spin or can’t be operated; low ground pressure.

900 / 1,100 / 1,300 mm 3-blade deck
Mulches tall grass, weeds and brush into fine clippings; 3,000–5,500 m²/h across the three deck widths.

Gas-electric, up to 8 h per tank
Briggs & Stratton 810cc 27 HP drives the 3-blade deck; a rechargeable battery pack drives the tracks. Up to 8 hours of operation per full tank.

RTK-GNSS, no boundary wire
Maps array rows, embankments and orchard alleys; runs scheduled, repeatable routes without laying cable under panels.

LiDAR + 360° vision avoidance
Detects panels, posts, trenches, equipment and people, then stops and reroutes — safe around live infrastructure.

Remote control + autonomous
Drive it by remote for setup on tricky ground or let it run autonomous scheduled routes; large-screen remote plus mobile APP with alarms.

What this means for you

For solar / wind O&M & infrastructure managers
- Keep vegetation under panels and around turbines low on schedule, protecting output and fire safety.
- Take crews off slopes, trenches and live electrical infrastructure.
- Documented, repeatable clearance for asset and compliance reporting.

For vegetation & ag contractors, dealers & rental
- Take on slope, brush and orchard work that wheeled mowers and manual crews can’t economically do.
- Win utility and infrastructure vegetation contracts with differentiated autonomous capability.
- Spare-parts supply, operator training and demo units from the manufacturer.

Propose a field evaluation on one of your sites

Rather than a standard dealership pitch, we suggest putting a WJ-T-900A on a representative slope, PV array or orchard row to measure climbing ability, cut quality on tall grass, endurance and coverage against your real requirements. We’ll provide technical specs and a demo-unit plan.

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Specifications are based on the WANJI 2026 autonomous mower range. The WJ-T series is the tracked gas-electric platform (900, 1,100 and 1,300 mm 3-blade decks, up to 40° slope) for rough, sloped and remote terrain; the all-electric wheeled WJ-R1 (790 mm, zero emission) handles clean manicured turf and the compact WJ-R3 (450 mm) is also available. Final configuration and commercial terms confirmed per evaluation. WANJI is the export sales arm of the manufacturing group.