



Built to perform

Precision tools for
specialty crop growers.



Welcome to Yamaha Agriculture

Growing specialty crops demands performance.

Yamaha Agriculture exists to make specialty crop growers more sustainable, profitable and resilient. Through robotics, automation and AI powered analytics we serve the way you work in the rows, blocks, and vineyards you manage daily. By combining decades of manufacturing excellence and field tested reliability together with hardware, software, and intelligent systems - we build automation that pulls its weight. Our connected platform is steady down every row - spraying where it should, monitoring what matters, gathering insights you can trust.

This isn't tech for show - it's the best of precision agriculture - built to stand up to the land, to lighten the load, and to get the most out of every plant, every season.



“Real progress comes from close partnerships with growers and industry; combining innovation with reliability to deliver lasting value”

— Nolan Paul, CEO, Yamaha Agriculture

Built for the future

We are here to tackle your toughest challenges - through precision tools that are built to perform.



Performance that pays

Do more with less through automated, streamlined work flows, lower costs and consistent performance.

Precision you can trust

We build trusted solutions that put you in control so you can plan, execute, and measure with confidence.

Support that shows up

Our Service and Support team are second to none, adapting to local needs while setting a global standard of excellence.



Plant by plant,
row by row,
season after season.



Prospr

A high performance autonomous vehicle for orchards and vineyards, delivering long runtimes with reduced fuel use. Modular and AI-powered, it enables efficient, sustainable operation.

Built for automating repetitive tasks and standardize operations across rows and blocks.

Key features & benefits

Fast row-to-row turns in tight spaces.

Hybrid electric drive (tier 4 generator + regenerative braking) for up to 40 hour run-time.

Standardize work, for people and the environment: job planning and speed-controlled zones for consistent passes.

Safer by design.

Lightweight chassis and tire setup reduce ground compaction.

1–2 operators supervise multiple vehicles; mesh connectivity, OTA updates and remote diagnostics minimize downtime.

Targeted spraying: electrically driven Quantum fans with zone/fan-level control and proportional valves.

Use cases

Precision spraying across orchards and vineyards (multiple fan configurations).

In-row logistics and towing support during harvest or task set-ups.

Routine operations where uniformity matters.

Technical specs

Independent electric 4WD, peak output 50 kW / 67 HP; regenerative braking.

Tier 4 diesel, max 55 kW / 74 HP @ 2,600 rpm.

Runtime: up to 40 hours per tank (operating conditions dependent).

Weight: 3,968 lb (1,800 kg) bare; ~4,325 lb (1,962 kg) bare with ballast/fuel.

Ground clearance: 11 in (279 mm).

Minimum row spacing: 6.07 ft (1.85 m).

Turning/headland: 23 ft (7.1 m) to enter adjacent row; spot turn around rear axle.

Speed: spraying 2.5–5 mph (4–8 km/h); transit up to 6.2 mph (10 km/h).

Slopes: lateral up to 10°; longitudinal up to 20°.

Safety/sensing: RTK GPS + 2cm accuracy + cameras; bumper; geofencing; global e-stop from multi-vehicle remote; object classification and collision.



Packer

Keep quality consistent and throughput steady across peak windows. Built for daily performance and ROI.

Machine vision and robotic technology that automates the final step in the packing process, placing fruit into trays with gentle precision and tireless speed.

Key features & benefits

AI vision systems manipulates fruit for optimal placement, creating uniform retail-ready trays.

Dual drop layout packs trays at speeds up to 160 fruit/minute.

Gentle handling with soft-touch grippers and vision-assisted infeed.

Compact, modular footprint that retrofits easily; supports double-drop layouts.

Simple to operate: intuitive touchscreen, multilingual UI, minimal training.

Remote connectivity for integration with SCADA systems, live reporting and control.

Connected uptime: secure IoT/OPC-UA for live stats, language diagnostics, neural remote support.

Built for daily performance and ROI - industry proven solutions since 2017.

Use cases

Apples, stone fruit, kiwi, and citrus packing to retailer presentation standards.

Mixed-fruit operations needing fast changeovers between varieties and formats.

Tray and box applications across domestic and export specs.

Built for the future: development for additional produce (tomatoes, persimmons) and formats (punnets, bags, custom containers).

Repacking lines with multiple fruit and varieties.

Retrofits into commit-to-pack and rapid-pack layouts.

Technical specs

Dimensions: W 107.3 in (2,725 mm) × H 76.8 in (1,950 mm) × D 78.7 in (2,000 mm) + adjustable leg height.

Power: 3-phase, 200–230 VAC, 50/60 Hz, 20 A (Wye).

Installed power: 7 kW.

Air: up to 600SLPM (standard litres per minute) @ 6–8 bar (≈ 21 scfm @ 87–116 psi).

Network: wired ethernet ≥ 500 kb/s per machine; latency ≤ 100 ms.

Operating Temp: 4 - 40C / 40 - 105F

Connected performance

Building the future of specialty crops.



Dashboard

User always has full oversight of equipment, performance results and maintenance required with the integrated dashboard view.



Assign Task/Job

Select Prospr to apply specific chemicals to selectively maximize quality of crop. Assign later tasks with different attachments.



Data Collection

Prospr deployed weekly for a range of tasks. Collects data to determine and record location of pest damage, disease, excess crop load and infrastructure damage.



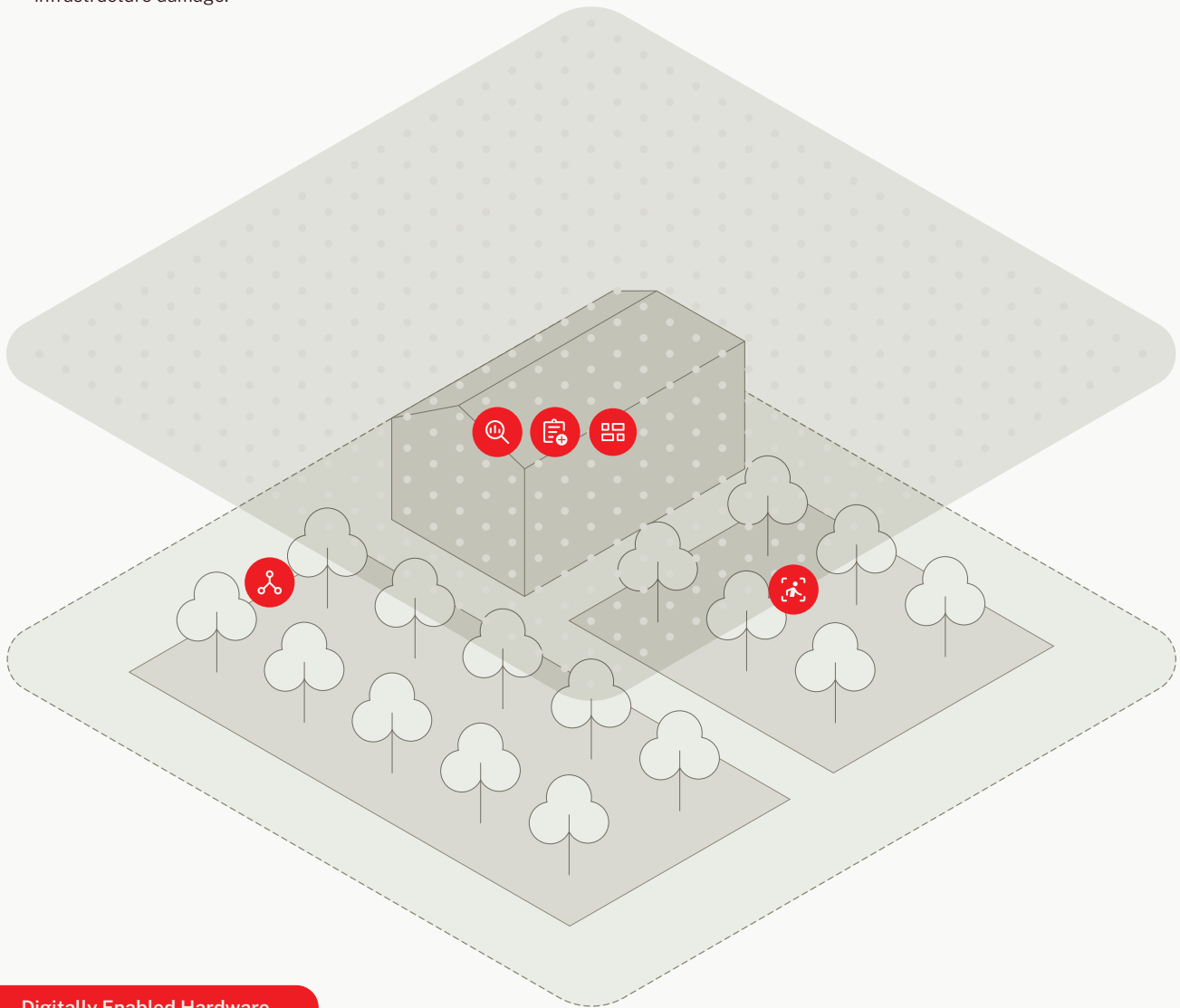
Analysis of Insights

Based on field data collection users can view where to apply inputs and what equipment is available to deploy for the task.



Manual Crop Handling

Dashboard and data insights indicate which crops require manual management.



Digitally Enabled Hardware

Data and insights

Software solution for storing and organising data. Weather responsive yield prediction models for yield quantity, quality and timing.

Forecast yields and timing so you can plan labor, logistics, and buyer commitments with fewer surprises.

Key features & benefits

AI/ML models forecast yield, growth stages, and harvest timing up to 18 months out, with updates every two weeks and daily in harvest.

Block-level views with confidence ranges and alerts align staffing, equipment, and trucking to forecast peaks.

Models incorporate climate drivers and local weather patterns to reflect changing conditions.

Web portal and mobile app deliver simple dashboards and push alerts for fast, field-ready decisions.

Buyer-ready reports support commitments and audits; export data to your planning and ERP tools.

Models retrain with new data for continuous accuracy gains.

Role-based access, encryption in transit/at rest, and customer data ownership.

Use cases

Crop-load, canopy, and chemical plans informed by predicted yield and phenology.

Staff scheduling, equipment allocation, and trucking aligned to forecast windows.

Early predictions of intake timing and quantity reduce production bottlenecks.

Align contracts and sourcing across regions to expected volumes.

Technical specs

Outputs: yield quantity, harvest timing, growth stages

Horizon/cadence: up to 18 months; biweekly during season; daily during harvest

Resolution: block/variety level with confidence bands

Inputs: historical block data, in-season observations, weather/climate datasets; optional imagery/sensor feeds

Access: web analytics portal and mobile app

Alerts: email/push for timing shifts and anomalies

Export/API: data export and API for integration with farm and enterprise systems

Precision in practice

Built on real seasons.



We're committed to growers.

Our commitment to growers is hands on, and our approach is grounded in experience, including ownership and operation of Kando Farm, a commercial orchard. We don't just partner with growers, we are one.

Kando Farm connects us to the realities of specialty crop production, to understand the practical impacts on operations, labor and quality. It also provides space to prototype, refine and prove our technologies in real conditions, ensuring that we build solutions to create lasting value. These precision growing solutions start with data-driven insights and ag robotics – available as standalone offerings or connected into a unified solution set where timely, data-informed decisions are just as easily acted upon.

Our Kando Values

At Yamaha, everything we do is rooted in an unchanging, universal value - Kando.

Kando is the boundless excitement and deep satisfaction that enriches people's lives. It guides us to create products and services that perform at the highest level while staying perfectly in tune with your needs.

By embedding functional excellence and emotional value into every design, we aim to deliver that feeling in your day to day work - especially as we bring our principles to ag robotics and AI powered digital solutions.





Growing the future of agriculture together.

Request a demo, talk to the Yamaha Agriculture team, or learn more at:

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