bonsai

Meet the Amiga Flex

The Amiga Flex bridges the gap between lab and field – a durable test and development platform built for real-world R&D and commercial deployments in outdoor automation.

Built for researchers, innovators, and companies advancing the next generation of field robotics, Amiga Flex enables real-world testing, rapid iteration, and scalable solutions developed from the ground up.

Bonsai Intelligence

Every Flex comes equipped with the compute and sensor suite that powers Bonsai's best-in-class autonomy—delivering intelligent navigation, perception, and task execution right out of the box.

Swappable Batteries

Zero emissions. Up to 8 hours of runtime. 24+ range time with battery extension kits. Quiet, efficient, and low-maintenance by design, providing long runtimes and low operating costs for research and light-duty commercial use.

Field-Ready Chassis

Durable, balanced, and proven in real field conditions, the Flex outperforms others in its class with reliable traction, protection, and performance across varied terrain.

Open Interfaces

Built for connectivity, the Flex's power and compute systems support a wide range of sensors, implements, and custom integrations through APIs and standard interfaces.

Adaptable By Design | Customizable Operations

- Configurable sizing for diverse crops and terrains
- Autonomous navigation with obstacle detection
- Compact for hoop houses and greenhouses
- Weather-resistant for all farming conditions
- Modular 3-point hitch for seamless tool attachment
- Easy to transport with truck or trailer

Amiga Flex

Build the future of outdoor work with Bonsai

What you build and prove on the Flex scales seamlessly across the Amiga line up turning field-tested innovation into everyday performance.

Modular By Design

Quickly reconfigure to explore new autonomy and AI applications.

AI-Assisted Planning

Map, simulate, and execute jobs hands-free — with early access to Bonsai Autonomy through the API.

Developer Ready

Access job data and control functions through Bonsai's API to extend or integrate your own tools and systems.

Rapid Iteration

Track, analyze, and optimize workflows in real-time.

Bonsai Intelligence

Our connected platform enables affordable, scalable autonomy that enhances productivity, safety, and operational efficiency.

Bonsai Autonomy is our vision-based, embodied AI that enables machines to perceive and act independently.

Bonsai Pilot is our cloud-based workspace that unifies people, equipment, and jobs.

Technical Specs

Weight: 136 – 181 kg / 300 – 400 lb

Payload Capacity: Up to 360 kg / 800 lb

Lift Capacity: Up to 315 kg / 700 lb / requires 3-point system

Towing Capacity: Up to 725 kg / 1,600 lb / requires ball hitch

Dimensions: Configurable range 40″ × 48″ to 72″ × 72″

Protection: IP65+

Power: 4 × 250 W hub motors (rated) / 4 × 500 W (peak) 1.3 HP (rated) / 2.6 HP (peak)

Speed Range: Up to 5 mph (8 km/h)

Runtime: 2 – 8 hours (per battery configuration and load) / 24+ operations with battery extension kits

Battery: 1.44 kWh expandable 48 V lithium pack (swappable/off-board charging

Safety: Bump stops, beacon, and brake

Contact Us

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