

Rotate8 Showcases Affordable, Modular Farm Automation at FIRA 2025



Rotate8, a pioneer in affordable and repairable agricultural automation, announced major advancements and new use cases in its modular technology platform at **FIRA 2025**. Rotate8's solutions reduce labor costs, optimize operations, and make automation a feasible option for small and mid-sized growers.

Rotate8's farm-as-a-robot platform integrates **low-cost IoT modules** and the **Precision Farming Rover (PFR)** into one intuitive system. From sprinklers to incubators, any device that senses or actuates can be linked through Rotate8's centralized dashboard. This creates a network of automation modules that can be controlled individually or as part of a larger system – saving time, money, and manual effort.

Key Innovations

- **Low-Cost IoT Modules** – Solar-powered, Wi-Fi-enabled devices priced between \$20–\$100, designed to automate irrigation, sensing, and other key tasks.
- **Precision Farming Rover (PFR)** – A \$10,000 modular robotic platform configurable for soil prep, seeding, weeding, harvesting, and crop inspection. Built with standard components, it can be easily modified, repaired, or upgraded by farmers themselves. The three point hitch allows for efficient swapping of implements, providing a platform that can be used in a variety of use cases.
- **Farmer First Design** – Rotate8 prioritizes modularity, open source design, and right-to-repair principles. Farmers can source replacement parts locally and adapt systems to their unique needs.

Traction and Growth

Currently operating on a **127-acre partner farm** with diverse crops and terrain, Rotate8 is validating use cases with both new and experienced automation adopters. By partnering with farms in the community, Rotate8 supports local growers with technological advancements and receives valuable feedback.

About Rotate8

Rotate8 develops modular, low-cost, and repairable automation technologies to help small and mid-sized farms compete in a changing agricultural industry. By combining IoT modules, robotics, and a farmer first design philosophy, Rotate8 empowers growers to save time, reduce costs, and achieve sustainably produced crops with less manual effort.



Precision Farming Rover (PFR) ©2025

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