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Jacto scales up its agricultural drone strategy with T55 and T100

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Brazilian agricultural machinery major Jacto adds DJIâ??s T55 and dual-battery T100 to its drone portfolio, targeting longer flight times, higher payloads and greater productivity across large-scale farm operations

Jacto is expanding its agricultural drone business as demand for faster, more precise and increasingly automated field operations reshapes the machinery market. The Brazilian company, which has partnered with DJI since 2024, is adding the T55 agricultural drone and the dual-battery T100 agricultural drone to its portfolio. The new models are designed to extend operating time and improve productivity, particularly in applications covering large agricultural areas.

The additions complement Jacto's existing range, which includes the T70, T25P and Mavic 3M, giving farmers and agricultural operators a broader set of options across spraying, solid-material distribution, imaging and cargo transport. "The new equipment will join the models Jacto already distributes, including the agricultural drones T70 and T25P and the imaging drone Mavic 3M, expanding the range of solutions for different operational profiles in the field," said Rodrigo Madeira, Product Planning Manager at Jacto.

"Featuring technologies geared toward spraying, solid-material distribution, and cargo transport, these models reinforce Jacto's strategy of making equipment that combines operational efficiency, precision, and versatility available," he added.

T55 Targets Flexible, Single-Operator Applications

The T55 is positioned as a lightweight agricultural drone designed for individual operators handling multiple field applications. It has a 50-litre spraying capacity, can carry up to 55 kg for solid-material spreading, and supports a lifting-system payload of up to 40 kg. Its design allows a single operator to transport, assemble and operate the drone, reducing the logistical burden associated with deploying aerial equipment in the field.

The T55 has a maximum speed of 72 km/h, a spraying flow rate of up to 50 litres per minute and a solids discharge rate of up to 400 kg per minute. Its technology package includes millimetre-wave radar, a quad-vision system and enhanced algorithms aimed at improving operational safety and enabling intelligent obstacle avoidance. The system is also designed to support reliable operation in challenging conditions, including rain, fog and low-light environments.

For Jacto, the model broadens the role of agricultural drones beyond specialised spraying applications towards a more versatile platform capable of handling several routine field operations.

Dual-Battery T100 Takes Aim at Large-Area Operations

The T100 with dual batteries takes a different approach, focusing on productivity and endurance in large agricultural operations. With two intelligent batteries, the configuration increases flight time by 50 per cent for the same cargo, allowing operators to keep drones in the field for longer periods and reduce interruptions during extended operations.

The drone's solid-material distribution system supports a payload of up to 100 kg, with a discharge rate of up to 400 kg per minute. Its cargo lifting and transport system can handle loads of up to 80 kg.

In its dual-battery configuration, the spraying system has a 90-litre tank and a flow rate of up to 40 litres per minute. The platform can also be configured with two different spraying-system models, allowing operators to adapt the equipment to different agricultural applications.

The distinction between the two new models reflects a broader shift in agricultural drone deployment: while smaller platforms can address flexibility and ease of operation, larger systems are increasingly being evaluated on the basis of payload, flight endurance and field productivity.

Jacto Broadens Its Precision-Agriculture Play

The expanded portfolio gives Jacto coverage across a wider range of aerial applications, from imaging and precision spraying to solid-material distribution and cargo transport. The move also strengthens the company's positioning in a segment where the economics of drone operations are increasingly determined not simply by aircraft specifications, but by how much work can be completed per flight cycle and how easily the technology can be integrated into routine farm operations.

With the T55 and dual-battery T100 joining the T70, T25P and Mavic 3M, Jacto is effectively building a portfolio around different operational requirements rather than a single drone category. The strategy points to a larger opportunity for agricultural machinery companies: as drones become more embedded in farm workflows, their value is likely to be measured less by their novelty and more by their ability to reduce downtime, improve application precision and cover more hectares with fewer operational constraints.