



REFORESTATION DRONE

VRUKSHA

A seed ball dropper is an aerial device equipped with a mechanism to carry and release seed balls over targeted areas for purposes such as reforestation, agriculture and ecological restoration. It combines drone technology with an automated seed dispensing system to efficiently plant seeds in inaccessible or large-scale terrains.



Features of Vruksha



Upto 8 Acres/Hour



Endurance = 25 min



Battery Capacity 25200 mAh



MTOW = 29.1 kg



Working voltage = 50.4 V



Foldable design



Flying Speed = 10 m/s



Range = 1 km

Seed Dropper Details



Drop Speed
1 Ball/ sec



Tank Capacity
300 Seed Ball



Max Seed Ball Size
8 cm Diameter

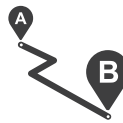


Release Type
Servo Controlled

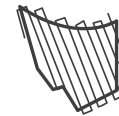
Flight Modes



Loiter Mode

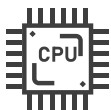


Zig Zag Mode



Auto Mode

Flight Control Parameters



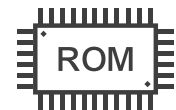
Dual CPU configuration



Hovering accuracy: horizontal = ± 1.5 m
Vertical = ± 0.5 m



Multiple redundant backup



16 GB ROM

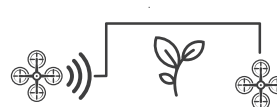
Safety Features



720 P FPV Camera



Terrain Following Radar



Collision Avoidance Radar



Encrypted with Software &
Hardware Tampering



GPS Return-to-Home position



Low Battery Warning



Empty Tank Warning



Break Point Intelligent Record

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