



UniCo agriculture

Smart Aerial Solutions for Steep-Slope Viticulture

UniCo is an innovative agricultural copter designed for the precise application of crop protection products and plant strengthening agents. It can be deployed even shortly after rainfall, when ground-based machinery cannot operate due to slippery or inaccessible terrain.

Viticulture on steep slopes is both impressive and demanding. Uneven terrain, narrow spaces, and safety risks make traditional spraying methods inefficient and labor-intensive. UniCo overcomes these challenges with ease, ensuring even and efficient application while significantly improving worker safety.

Thanks to advanced navigation technology, the UniCo system can follow fruit rows with **centimeter-level accuracy**, guaranteeing targeted application exactly where it is needed. This precision reduces product waste, protects the environment, and ensures consistent treatment of every vine.

By using drone technology, winegrowers can protect their vines effectively, reduce physical strain, and minimize environmental impact—especially in steep and hard-to-reach vineyards.

UniCo Key Features

- **Dual GNSS Systems** – Maximum accuracy and reliability
- **Immunity to Electrostatic Interference** – Safe and precise operations
- **4-Point Spraying System** – Uniform coverage for every vine
- **Remote Access for Support** – Assistance whenever you need it
- **Integrated Flight Termination System** – Extra safety built-in
- **Made in Europe** – High-quality engineering and reliability
- **Custom Flight Planning** – Tailored routes for optimal efficiency



Technical data

Empty weight without batteries	18,00 kg
Weight batteries (30Ah—14s)	8,00 kg
Tank capacity	30 L
MTOM	65,00 kg
Diameter	2,8 m
Maximum flight speed	5 m/s
Max flight time	14 min
Temperature range	-15° + 40°
Maximum wind speed	5 m/s