

High-Performance Autonomous Weeding for Sports Turf

On-pitch performance

4 km/h

Constant working speed for continuous weeding without interruption

4 hours / hectare

Average time required to complete weed control on one hectare (varies depending on infestation level)

100% Mechanical Weeding

The system operates by exfoliation, without chemicals, working on a width of 80 cm.

Slope up to **35%**

Maximum gradient on dry ground

Effective on turf between **10 and 70 mm**

Can be adjusted to different turf heights for versatile use

Guidance and Intelligent Vision



Weed detection with AI

IC GREEN proprietary AI system for weed detection



GNSS RTK Precision Guidance

Dual system for optimum precision and reliability during autonomous movement



HD Vision

HD camera with CMOS sensor, anti-fog system and 4 projectors for night work



Mission Planning

Delayed departure and management of No-Go zones

Energy & Autonomy



3 to 8 hours Of battery life

Varies depending on the type of mission, allowing for long working sessions



Zero CO₂ Emissions

100% electric with 52V – 105 A LiFePO battery.



Fast charging in 3 h15

Charging time for a full cycle with a rapid charger



Lifespan > 4000 Cycles

Exceptional longevity, recyclability and sustainability of the investment

Safety and Robust Design



360° Obstacle Detection

Provided by five latest-generation ultrasonic sensors



IP 65 to IP68 Protection

High resistance to water and dust. Military-grade connectors, ensuring module reliability, particularly in the presence of vibrations.



Multiple Emergency Shutdown

Via a physical push button on the robot and a command on the interface, for immediate shutdown

Low Noise Pollution

< 3 dB

Noise level when switched off and switched on: completely silent

10 to 12 dB

Very low noise emissions during simple movements

20 to 45 dB

In active weeding mode, noise level equivalent to a conversation, allowing for daytime and night-time use



Compliant with the Machinery Directive

Complies with standard 2006/42/EC for conformity with European safety standards