

LaserFly™ - Detect & Laser Treatment-System

For sustainable pest & weed control



Product description

LaserFly™ is a next-generation platform that combines advanced AI, computer vision, and a uniquely high-efficiency 100 W QCW laser to deliver chemical-free, soil-friendly weed and pest control. Designed as a modular and scalable solution, it pushes sustainable agriculture to the next level by offering targeted, laser-based treatment that preserves biodiversity and protects long-term soil health. Unlike conventional methods, Pantec's LaserFly™ stands apart from the competition with its unmatched precision and environmentally responsible operation—reducing chemical usage while ensuring consistent, high-performance results across diverse agricultural environments.

System integration

The LaserFly™ platform is intended for the use in different carrier vehicles.

Specifications

- Dimensions: (330 × 230 × 190) mm³
- Weight: ~ 12,5 kg
- Interfaces: ISOBUS, Ethernet, RS232, WLAN, ROS 2
- Power consumption: <100 W

Performance

- 300 beetle larvae shots / min
- 150 small weed cuts / min
- Field of view: 90° H x 30° V

