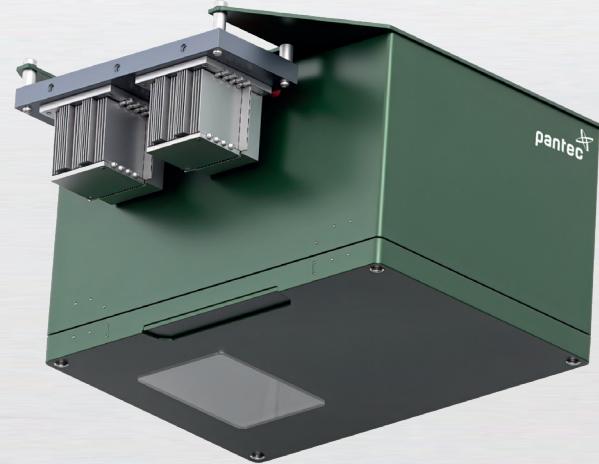


# Detect & Laser Treatment-System

For sustainable pest & weed control



- Laser-based pest & weed control
- 24/7 autonomous operation
- Free from pesticides & herbicides
- Independent of motion platform
- Easily adaptable to various pest & weed



## Features

- 100 W qcw diode based laser system
- Modular & scalable design
- 2,94 µm laser for high efficiency & safety
- Air-cooled & sealed enclosure
- Minimal fire hazard (non-burning technology)
- Patent pending detection & targeting setup

## Specifications

- Dimensions: ~ (30 x 20 x 10) cm<sup>3</sup>
- Weight: ~ 3,2 kg
- Interfaces: ISOBUS, Ethernet, RS232, WLAN, ROS 2 compatible
- Power consumption: <100 W

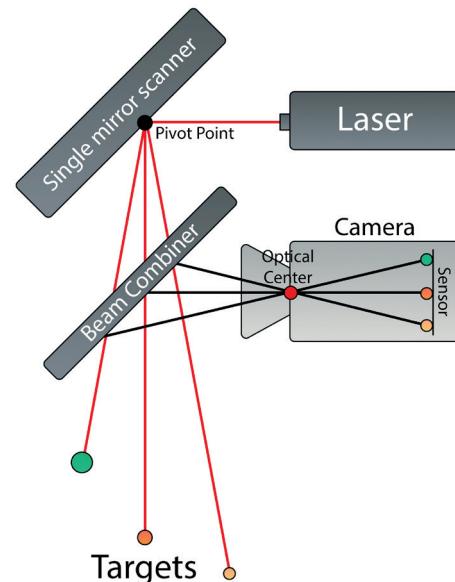
## Performance

- 300 beetle larvae shots / min
- 150 small weed cuts / min
- Field of view: 90° H x 30° V
- Adaptable motion platform speed up to 1 km/h

## Intelligent Targeting

Fast object detection enabled by advanced AI algorithms, ensures accurate and automated targeting.

- Coordinate transformation in 2 dimensions
- No depth information required
- No object matching required



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400297-DTS DLT-Box