Agrilaser® Autonomic

Keeping birds at a distance 24 hours a day, 7 days a week

The Agrilaser Autonomic

The Agrilaser Autonomic is a fully automated bird repelling system, providing continous bird repelling capability after one time configuration.

The principle of repelling birds with a laser beam is inspired by nature. Birds perceive the approaching laser beam as a physical danger. It appeals to the survival instinct, causing the birds to fly away. The continuous presence of the moving laser beam keeps areas free of birds, 24 hours a day, 7 days a week.

24/7 prevention of bird presence

Easy to deploy in every desired situation

Safe for humans and birds

Multiple power sources

Agriculture

Birds are naturally drawn to food supplies in agricultural areas, transmitting diseases and damaging crops. Fruits, vegetables and newly-seeded and emergent crops provide an all-you-can-eat feast for birds if unchecked. Birds typically eat their body weight in food every day causing damage to crops and food storage in barns ranging from 5-50% or more!

Recreation

Golf courses and other vast and open recreational areas prove to be a very attractive habitat for birds. Birds can cause huge damage by eating grass, and by leaving highly corrosive droppings that cause damage to equipment and recreational property.

Property

Buildings and gardens attract birds seeking for food and shelter. Birds can transmit diseases, cause fire by building nests in chimneys, cause leakage by pecking holes in roofing, and leave droppings that cause damage to paintwork and clog drains.

Long range up to 2,500 meters

The Agrilaser Autonomic enables effective bird repelling across long distances and wide areas up to 3,000 acres.

Animal and environmentally friendly

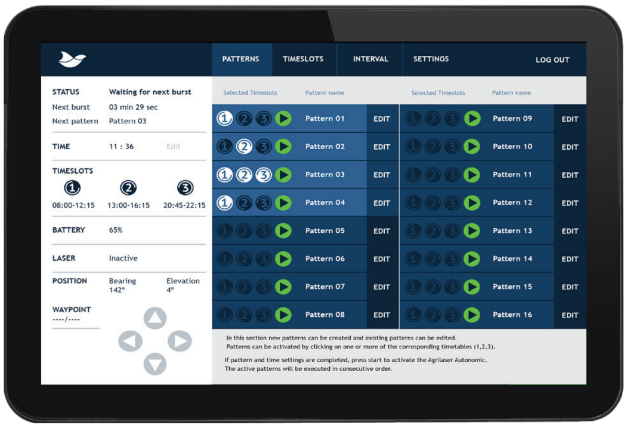
The Agrilaser Autonomic is a clean and silent solution, which is completely harmless to birds.

Long-term effectiveness

The Agrilaser Autonomic maintains its repelling effect over time.

The ultimate laser beam

We dedicated years of research to develop the ultimate laser beam. This was accomplished by applying a combination of highly precise optics, filtering and light frequencies. The result is exceptional performance in bird repelling while maintaining eye safety for both humans and birds.



Flexible by nature

The Agrilaser Autonomic is provided with intuitive software, enabling easy and fast configuration.

The flexible nature of the Agrilaser Autonomic allows configuration of up to 3 time slots and 16 different zones, enabling bird repelling capabilty at the periods and places of your choice.

AC power or solar charging system

The Agrilaser Autonomic is powered by AC power by default. To enable operation where grid power is not available, the Agrilaser Autonomic can be equipped with an additional solar charging system.

Carefully selected components

Every component of the Agrilaser Autonomic is carefully selected to meet high grade industrial quality standards, to ensure operation in the field with minimal maintenance.

Agrilaser Partner

BUG BUSTERS™ PEST CONTROL PROFESSIONALS

Bug Busters provides bespoke bird management solutions for the following sectors: Aviation, Agriculture, Defence, Commercial Security, Marine & Subsea and Oil & Gas markets.

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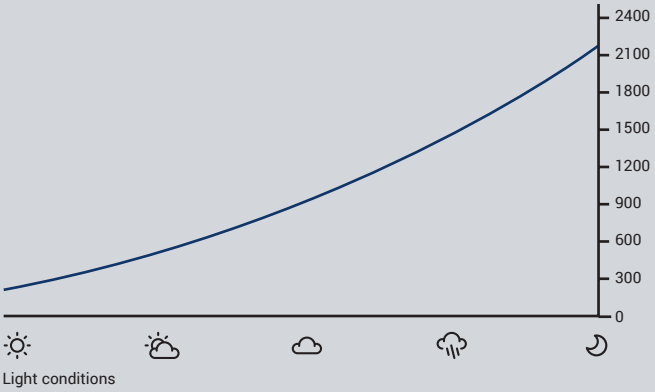
Technical specifications

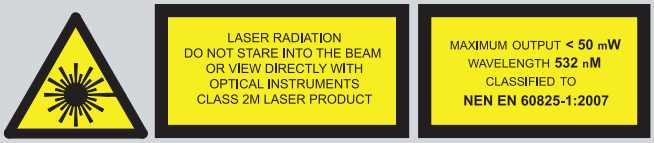
Laser class	2M *(classified according to NEN EN 60825-1:2007)*
Laser beam color	Green
Service life	Laser source: 5,000 h
Projection range	Horizontal: 0° to +360°
Projection range	Vertical: -70° to +20°
Max. pan speed	6°/ second
Max. tilt speed	4°/ second
Power source	Power adapter *(90 - 305 VAC)*
Operating voltage	12 - 15 VDC
Power consumption	60 W *(peak operating power)*
Portable	Yes
Weight	8 kg (18 lb) - excl. supporting frame
Dimensions	41 (16) x 41 (16) x 56 (22) cm (in) (LxWxH) - excl. supporting frame
Endurance	IP66 *(suitable for indoor and outdoor use)*
Operating temperature	-10 °C to +50 °C *(14 °F to 122 °F)*
Storage temperature	-30 °C to +60 °C *(-22 °F to 140 °F)*
Relative humidity	20 % to 95 % *(non-condensing)*

Estimated range for effective bird dispersal*



* Range for effective bird dispersal depends on sufficient contrast and stability of the laser projection:

- Local environmental conditions (albedo)
- Stability of te laser platform
- Relative altitude of laserplatform in relation to the laser projection



Agrilaser Autonomic is designed and manufactured by:

Bird Control Group