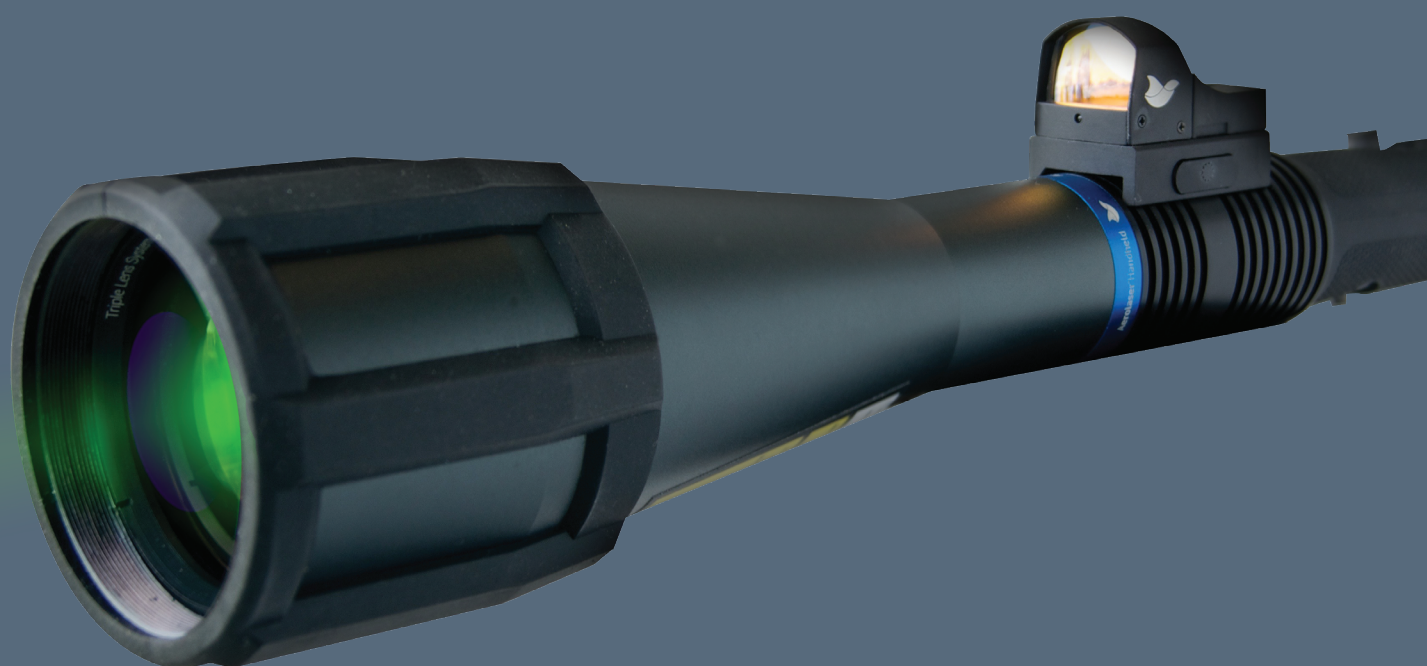




Handheld^{500 HSS}



The essential tool for bird controllers

The final line of defense against bird strikes

The surroundings of most runways are characterized by an enormous biodiversity. In the vast fields human presence is close to zero, making it an ideal habitat for birds to breed and forage. This globally recognized problem at airports can seriously jeopardize aviation safety.

Effective bird control is essential to ensure aviation safety. Airports spend millions each year to keep birds at a distance from aircraft.

Bird controllers are the goalkeepers at the airport, repelling birds that pose an immediate threat with scary sounds and pyrotechnics. In order to use these tools effectively, bird controllers need to be in the vicinity of the birds, requiring them to drive around the airport constantly to approach these unwelcome guests.

Bird Control Group has developed a valuable addition to the bird controller's toolbox: the Handheld^{500 HSS}.

Handheld^{500 HSS}

The Handheld^{500 HSS} is inspired by nature, simulating a natural enemy in order to reclaim the airside territory from passing birds. Birds perceive the approaching laser beam as a physical danger. Moving the beam toward the birds appeals to their survival instinct, causing them to fly away.

Why choose the Handheld^{500 HSS}:

- Increase the range of bird controllers
- Shorten the intervention time
- Decrease driving distance and runway crossings



Long-range over 500 meters/yards

The Handheld^{500 HSS} enables effective bird repelling across long distances.

Directional bird repelling

The Handheld^{500 HSS} can be used to repel birds in a controlled direction, away from aircraft.

Intuitive design

The Handheld^{500 HSS} is designed for ease of use, while guaranteeing safe operation and maximum performance.

Long-term effectiveness

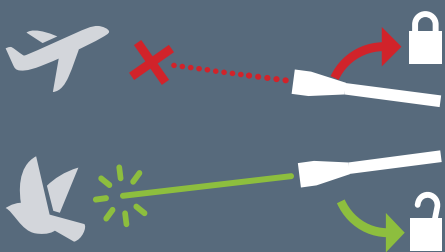
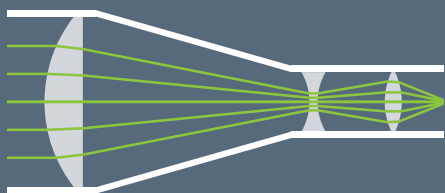
The Handheld^{500 HSS} maintains its repelling effect over time. Amsterdam Schiphol Airport confirms that birds do not get used to the laser beam.



Safety is our priority

Applying lasers at an airport poses a potential risk to safety.

The Handheld^{500 HSS} is equipped with unique safety features, designed to ensure safe operation under all circumstances.



Advanced laser technology

Bird Control Group 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.

Horizon[®] Safety System (HSS)

The patented Horizon Safety System measures when the laser beam is used in an uncontrolled or dangerous manner and deactivates the laser beam when needed. The possibility of endangering pilots, passengers and personnel is thereby eliminated. Upon activation of the Horizon Safety System, the user is notified by active feedback through a LED indicator, subtle vibration and sound.

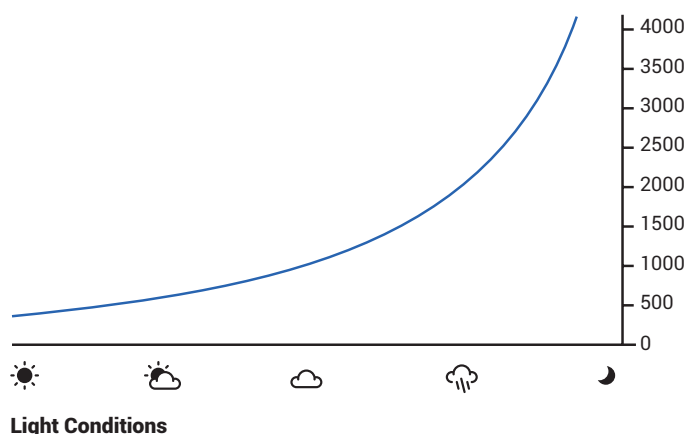
Red dot sight

To make operation over long distances more accurate and safe, the Handheld^{500 HSS} is fitted with a red dot sight. The sight makes it possible for a bird controller to accurately aim the Handheld^{500 HSS} at the desired target before activating the laser.

Key lock system

To prevent unauthorized use of the equipment, the Handheld^{500 HSS} is equipped with a key lock system.

Estimated range for effective bird dispersal* (meters/yards)



Light Conditions

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

- Local environmental conditions
- Stability of the laser platform
- Relative altitude of laser platform in relation to the laser projection

Technical specifications

Laser class	3B
Laser beam color	Green
Service life laser source	5000 hr
Battery laser	1 x 18650 Lithium Ion battery
Battery scope	1 x CR2032 battery
Battery lifetime	3 hr (continuous use)
Operating temperature	-5°C to +45°C (14°F to 95°F)
Relative humidity	0% to 95%
Storage temperature	-20°C to +50°C
Dimensions (L x W x H)	500 x 65 x 90 mm
Weight	1000 gr (1.9 lbs)

“The Aerolaser Handheld is very effective against all sitting birds such as pigeons, herons and starlings. It works well on long distance. We typically use it between 300 and 600 meters. It decreases our intervention times”

Jürgen J. Ebert

Wildlife Control Coordinator, Frankfurt Airport



Airports using the Handheld^{500 HSS}



Bird control solutions that make sense

In a world with increasing demands for food, energy and mobility, effective and long lasting bird control is crucial. Bird Control Group provides innovative products to keep birds at a distance, ensuring a safer working environment and a highly effective way to prevent damage.

Compliant with aviation authorities



Contact

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www.pilotshop.ro



WARNING – LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT

MAXIMUM OUTPUT <500 mW
WAVELENGTH 520 nm
CLASSIFIED TO NEN EN 60825-1:2014

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