



Press Release

TopoSys GmbH – Used Lidar Sensor System Falcon I and Falcon II

Due to the on going request of cheaper but reliable and high performance airborne Lidar sensor systems, TopoSys decided to fulfill these needs and offers two of their own Lidar sensor systems.

Falcon I

Falcon I has been in operation at TopoSys for several years. The system is optimized for corridor mapping (flight altitude up to 900m). The Falcon I will be upgraded to the latest technology of the Falcon II and will be revised completely. Main technical features are:

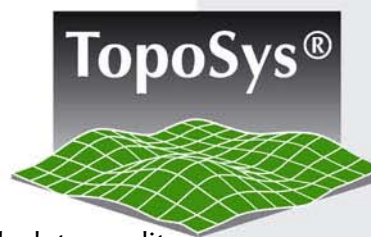
- Fiber based technology (127 fibers)
- No calibration required by user or operator due to system concept
- 83 kHz scan rate, enhanced scan pattern
- Laser pulse duration only 5ns, fast echo detection
- 14 degrees FOV, option: mounted 15° forward looking
- 1st and last return, option: up to nine returns
- 1,56 µm laser wavelength
- Maximum strip width 225 meter of constant high data quality
- Optional RGB/NIR line scanner available
- In-flight operator panel for mission control
- TopPIT software for mission planning, elevation model and RGB/CIR image processing

TopoSys offers the Falcon I a an revised and upgraded system for 25% discount compared to a new Falcon II. The revised system will have a quite amount of new components which makes the system very comparable to a completely new Falcon II.

Falcon II

Falcon II has been in operation at TopoSys since 2001 for a wide range of missions. The Falcon II is the currently available sensor system generation. Main technical features are:

- Latest fiber based technology (128 fibers)
- No calibration required by user or operator due to system concept
- Max. flight altitude 1.600 meter
- 83 kHz scan rate, enhanced scan pattern
- Laser pulse duration only 5ns, fast echo detection
- 14 degrees FOV
- 1st and last return, option: up to nine returns



- 1,56 μm laser wavelength
- Maximum strip width 400 meter of constant high data quality
- Optional RGB/NIR line scanner available
- In-flight operator panel for mission control
- TopPIT software for mission planning, elevation model and RGB/CIR image processing

TopoSys offers the Falcon II as an used system for 48% discount compared to an new Falcon II.

Contact

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TopoSys GmbH