

We DEVELOP



GECKO

Direct, quick and reliable characterization of defects on vertical honeycomb repaired structures for assuring structural safety

Gecko is an active thermography portable device with halogen lamp and infra-red camera specialized on vertical honeycomb panels inspection.

Benefits

Efficiency

- Speed-up inspections thanks to easy operation and deployment.
- Obtain quick, accurate images.

Flexibility

- Adapt to every honeycomb structure on different aircraft's sections.
- Detect water inclusions.

Reliability

- Compliant execution and performance listed on NTMs and SRMs.

GECKO

Direct, quick and reliable characterization of defects on vertical honeycomb repaired structures for assuring structural safety

Features

- Short time detections
- Easy to operate
- For any honeycomb panel, but specialized on vertical structures
- Non-invasive inspection
- Also deployed for water inclusions detection
- Qualified for SRM Procedures
- Easy to deploy
- Portable compact system

Technical specifications

Case weight: 20.5kg

Device weight: 6kg

Inspection area: 430 x 340mm

Operating distance: 400mm

Power requirements: 230VAC, 2.3kw / 115VAC, 1.9kw

Resolution: 320 x 256 pixel / 640 x 512 pixel

Image rate 9Hz

Thermal sensitivity: < 30mK

Excitation source: 2.2kw @ 230V / 1.8kw @ 115V

Extras

Referenced on NTM 55-40-02
& 55-40-50-290-801-A01



Materials:
CFRP & GFRP