Fastest Way to Report Damage Inspections

HandySCAN 3D|EVO Series

The HandySCAN 3D|EVO Series™ integrates cutting-edge technologies, enabling it to solve airline and MRO operational challenges in innovative ways. This scanner includes:

- 12MP camera that facilitates on-site photo capture and seamless integration into inspection reports
- A dedicated and optimized touchscreen interface on the 3D scanner's screen for intuitive navigation and data visualization
- Advanced augmented reality capabilities that simplify the interpretation, damage selection and documentation of inspection results

Built for Real-world Aerospace Maintenance and Challenges

The HandySCAN 3D|EVO Series and Creaform's Integrity Suite help resolve the following issues:

- Repeatable dent evaluations without human interpretation
- Fretting and blend assessment with micron-level accuracy
- Bird strike and lightning impact analyses
- Rapid return to service for aircraft affected by hailstorms
- Hot-area monitoring (wing, nose, luggage door, engine, etc.)
- Hot-area dent cartography
- Reverse engineering of parts



Guided Inspection Configuration for Improved Conformity and Productivity

Integrated seamlessly into the EVO Series, the Guide Inspection feature allows users to perform an inspection directly on the scanner's touchscreen, with minimal steps and interaction required. The inspection can be preconfigured, limiting manual input from the operator/mechanic and improving both conformity and productivity. The picture can be taken directly with the scanner camera on site and integrated into an automatically generated PDF report, saving time-consuming reporting, post-processing time and editing errors.



Scanning

The embedded touchscreen display improves mesh data visualization during digitization, enhancing user ergonomics. Integrated menu navigation on the scanner's interface removes the need for a nearby computer.



Augmented Reality Analysis

The Analyze On-site feature allows the users to view the analysis immediately to improve inspection quality and speed up data validation. The camera feed enables analysis data to be overlaid directly onto the inspected asset (Augmented Reality), producing more accurate documentation.



Reporting

Snapshots, photos, and AR-enhanced images captured with Creaform's solutions are automatically added to the predefined report, reducing the risk of handling errors.

Powered by the Creaform Integrity Suite

The **Creaform Integrity Suite™** offers a comprehensive portfolio of application software modules designed for all types of integrity assessments. Over the years, this software has solved—and continues to solve—a wide range of challenges in the aerospace maintenance industry.

LEARN MORE

The **Aircraft Module** is the first dedicated 3D visualization software specifically designed for assessing and characterizing dent damage on aircraft surfaces. Developed in collaboration with industry leaders, it has received approval letters from aircraft OEMs. This module is optimized for single-dent assessments or multiple-dent evaluations.

The **Analysis Toolkit** includes a comprehensive set of tools to extract the maximum amount of information and measurements from a 3D scan of any type of aerospace part. It empowers MRO, service companies and airlines to seamlessly extract information from digitized assets, enabling advanced damage evaluation, dimensional control, and retrofit projects. This module unlocks a world of applications and solutions, maximizing the ROI of your investment in 3D scanning tech.



For an unparalleled experience, connect with us at the nearest office located in Canada.

creaform3d.com

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