

'Go/No-Go' Dent & Bump Mapping with real-time Visual Feedback



SRM Compliant
AIRBUS
Approved for all
A3xx

SL Compliant
BOEING
Recommended for all
7x7, MD and DC

NDTI Compliant
BOMBARDIER
Recommended for all
CRJ

NDTI Compliant
DE HAVILLAND
Recommended for all
Dash-8

Image Courtesy: Delta

WHAT IS IT?

dentCHECK is the only OEM-certified 'Go/No-Go' tool for 3D dent-mapping. Purpose-built for airlines and MROs, the tool revolutionizes dent-mapping. Compared to traditional methods, dentCHECK delivers time savings in excess of 90% for damage mapping and reporting.

Zero Programming, Zero Post-Processing, Zero Surface Preparation

HOW DOES IT WORK?

dentCHECK measures and analyzes dents, bumps, lightning strikes and blend-outs on metallic, composite, curved and flat surfaces. All results are instantly projected (super-imposed) on the aircraft surface, in SRM-compliant format, e.g. defect depth, dimensions, and critical A/Y ratio.

The Measurement Surface Becomes the Screen™

WHAT ABOUT DAMAGE REPORTS?

The standalone *Damage Reporting Tool* (DRT)™ is extremely powerful and easy to use. It allows engineering teams to **create quick and detailed SRM-compliant damage reports** using inspection results from the dentCHECK inspection tool – *all in less than 5 minutes!* Easily annotate critical distances, coordinate symbols, cross-sections etc. This digital report can be submitted to OEMs as an auditable record.



Image Courtesy: TAP M&E

Enjoy the Simplicity of a Camera & the Accuracy of a Scientific Instrument

Performance Overview of dentCHECK			
Field of View (FoV)		18 x 32 cm / 7 x 12.5"	
Resolution	Diameter	250 µm / 0.01"	Continuous dent & bump inspection (pixel by pixel basis)
	Depth	25 µm / 0.001"	
Accuracy	Diameter	± 1.0 mm / 0.04"	(at 95% (2σ) confidence interval)
	Depth	± 50 µm / 0.002"	
Acquisition Time		approx. 0.1 sec	
Measurement Speed		as fast as 2 sec	
Battery Life		up to 4.5 hours (still usable while charging)	
Nominal Working Distance		50 ± 5 cm / 20 ± 2"	
Weight		4 kg / 8.8 lbs (with integrated CPU and battery)	
Dimensions		35.4 x 30.0 x 9.0 cm / 13.9 x 11.8 x 3.6"	



Image: © 8tree

Summary of dentCHECK Capabilities:

- Measures **dents, bumps, blend-outs, lightning strikes, multi-dents**
- Works on **metal, composite**, rainy surfaces
- Actionable **'Go/No-Go'** answers in seconds
- Point & Click – designed for **any skill level**
- Accuracy traceable to **National Standards**
- **Handheld-portability:** work effortlessly in **workshop, hangar, tarmac**
- Fully **self-contained** tetherless: no external cables, computers or power source
- Fully networked tool – built-in **WiFi, USB** – real-time **wireless** transfer to Engineering

TELL ME MORE!

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