

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



Approved on all
A3xx
AIRBUS
SRM Compliant

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

Recommended for all
Q400 and CRJ
BOMBARDIER
NDTM Compliant

Image Courtesy: Delta Airlines

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 – fast, accurate and simple – just point&click. Compared to traditional methods, dentCHECK delivers time savings in excess of 90% for dent-mapping and reporting. *Zero programming, zero post-processing, no 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. damage width/length, dent depth/bump height and the critical A/Y ratio. *The Measurement Surface Becomes the Screen™!*

WHAT ABOUT DAMAGE REPORTS?

The standalone *Damage Reporting Tool (DRT)™* software 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 dent-mapping tool. Easily annotate critical distances, coordinate symbols, deepest cross-sections etc. – *all in less than 5 minutes!* This digital report can be submitted to OEMs as an auditable record.



Image Courtesy: TAP M&E

Optically measure Surface and mark up Defects in Seconds

<i>Performance Overview of dentCHECK®</i>			
Field of View (FoV)		18 x 32 cm / 7 x 12.5" (adjustable)	
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		minimum 100 ms enables handheld operation	
Measurement Speed		as fast as 2 seconds	
Battery Life		up to 4.5 hours (still usable while charging)	
Nominal Working Distance		50 ± 5 cm / 20 ± 2"	
Weight (without tripod)		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**
- Works on **metal, composite** and **rainy** surfaces
- Actionable '**Go/No-Go**' answers in seconds
- Point & Click – designed for **any skill level**
- Accuracy traceable to **National Standards**
- Listed in **Airbus TEMs**
- **Handheld-portability:** work effortlessly in **workshop, hangar, tarmac**
- Built-in radio **remote control**
- Fully **self-contained** and tetherless: no external cables, computers or power source
- Fully networked tool – built-in **WiFi, USB, Bluetooth** – real-time **wireless** transfer to Engineering

TELL ME MORE!

> info@8-tree.com / www.8-tree.com

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