

## 'Go/No-Go' Dent & Bump mapping with real-time visual feedback



Approved by  
**AIRBUS**  
SRM Compliant

Backed by  
**BOEING**  
SL Compliant

Backed by  
**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, dentCHECK revolutionizes dent-mapping – fast, accurate and simple – just point & click. Zero programming. Zero post-processing. No surface preparation needed. Compared to traditional methods, dentCHECK delivers time savings in excess of 90% for dent-mapping and reporting.

### WHAT DOES IT DO?

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. dent-width/length, dent-depth/bump-height and the critical A/Y ratio. The measurement Surface Becomes the Screen™!

### WHAT ABOUT DENT REPORTS?

The standalone Dent Reporting Tool (DRT)™ software is extremely powerful and easy-to-use. It allows engineering teams to create quick and detailed SRM-compliant dent-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

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| SPECIFICATION   |                   | PERFORMANCE                                       |
|---|-------------------|---|
| Field of View   |                   | 18cm x 32cm (7" x 12.5") – adjustable             |
| Nominal Working Distance  |                   | 50 cm +/- 5cm (20" +/- 2")                        |
| Acquisition Time  |                   | minimum 100 ms enables handheld operation         |
| Resolution  | Depth<br>Diameter | 25 µm (0.001")<br>0.25 mm (0.01")                 |
| Measurement Uncertainty<br><i>[at 95% (2σ) confidence interval]</i> | Depth<br>Diameter | +/- 50 µm (0.002")<br>+/- 1 mm (0.04")            |
| Measurement speed   |                   | As fast as 2 seconds                              |
| Dent & Protrusion Inspection capabilities                           |                   | Continuous (pixel by pixel basis)                 |
| Battery Life  |                   | Up to 4.5 hours (usable while recharging)         |
| Remote controlled   |                   | built-in basic radio remote                       |
| Weight (without tripod)   |                   | ~ 4 kg (8.8lbs) - with integrated CPU and battery |
| Dimensions  |                   | 35.4cm x 30.0cm x 9.0cm (13.9" x 11.8" x 3.6")    |



*dentCHECK® optically measures the surface and marks-up a dent in seconds*

| dentCHECK CAPABILITIES   |  |
|--|--|
| Measures <b>dents, bumps, blend-outs &amp; lightning strikes</b> | Works on <b>metal, composite</b> and <b>rainy surfaces</b> |
| Actionable <b>'go/no-go' answers – in seconds!</b>               | Point & click – <b>Designed for any skill-level</b>        |
| <b>Approved and listed in AIRBUS TEMs</b>                        | Accuracy <b>traceable to National Standards</b>            |
| <b>Fully self-contained &amp; tetherless</b>                     | <b>No external cables, computers or power source</b>       |
| <b>Handheld-portability</b>                                      | <b>Workshop → hangar → tarmac...effortlessly</b>           |
| Fully Networked tool ( <b>built-in WiFi, USB, Bluetooth</b> )    | Real-time <b>wireless</b> results transfer to Engineering  |

**TELL ME MORE!**

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