

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



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 |

APPROVED ON ALL A3XX

AIRBUS

SRM COMPLIANT

RECOMMENDED FOR ALL 7X7 MD AND DC

BOEING

SERVICE LETTER COMPLIANT

RECOMMENDED FOR ALL Q400/DASH-8

BOMBARDIER

NDTM COMPLIANT

EMBRAER

NTO RECOGNIZED

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.

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 Depth | 250 µm / 0.01" 25 µm / 0.001" | Continuous dent & bump inspection (pixel by pixel basis) |
| Accuracy | Diameter Depth | ± 1.0 mm / 0.04" ± 50 µm / 0.002" | (at 95% (2σ) confidence interval) |
| Acquisition Time | | approx. 0.1 sec | |
| Measurement Speed | | as fast as 2 sec | |
| Battery Life | | up to 4.5 hours (still usable while charging) | |
| up to 4.5 hours (still usable while charging) | | 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" | |

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

NEW FEATURES INCLUDE:

Multi-Dent Reporting
(ideal for Hail Damage)

panoLite™
(for mapping large areas)

UT-gauge Interface
(to expedite Blendout inspection)

8cloud platform
(Auto-upload scans to cloud)

8TR-BRO-003-100 Technical data are subject to change without notice.

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