

Dent & Protrusion inspection with real-time visual feedback



3D surface deformation analysis was never so easy!

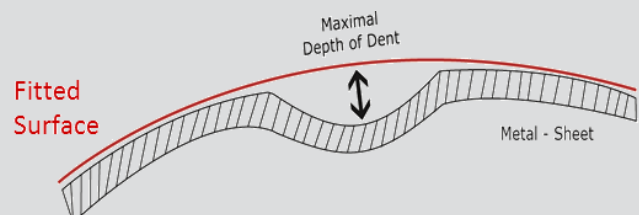
What Is It?

dentCHECK[®] is a revolutionary 3D surface inspection system that delivers dent and protrusion analysis like never before – fast, simple and intuitive. It is a breakthrough solution for quantifying surface deformation problems.

What Does It Do?

dentCHECK[®] delivers accurate 3D measurement and instant analysis of dents and protrusions, with just a single click! Real-time visualization of results is made possible via patent-pending augmented reality, which projects measurement results directly on to the measurement surface. The measurement surface is now your screen!

Specifically tailored to inspect surface deformation, dentCHECK[®] delivers instant, accurate and easy-to-understand analysis of surface dents and protrusions. Designed to be a fully self-contained unit, dentCHECK[®] is completely tetherless – no external computer, no external monitor and no cumbersome power-supply cables. dentCHECK[®] is one in a family of truly portable, yet powerful measurement and analysis tools from 8tree.





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How Does It Do It?

Specification	Performance
Field of View	18cm x 24cm (7" x 10") – adjustable
Nominal Working Distance	50 cm +/- 5cm (20" +/- 2")
Acquisition Time	Adjustable, minimum 100 ms
Resolution	50 µm (0.002")
Measurement Uncertainty (Depth) (Diameter)	+/- 50 µm (0.002") +/- 1 mm (0.4")
Dent & Protrusion Inspection capabilities	
• Measurement and Analysis	< 2 s
• Coverage	Smooth and continuous (pixel by pixel basis)
Battery	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 30.0" x 3.6")



dentCHECK® optically measures the surface and marks-up a dent in less than two seconds

So...What's The Big Deal?

dentCHECK® sets a new industry benchmark for:

- ✓ Speed: 10x faster than current industry standard
- ✓ Portability: Lightweight, compact, battery-powered, integrated CPU. Easy to handle on the production floor
- ✓ Ease of Use: Real-time visual feedback and intuitive user interface
- ✓ Flexibility: Easily customized to different tolerance needs
Measurement results recorded in different formats
Scalable architecture enables new product configurations

Tell me more!

Inquiries: info@8-tree.com

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