

## Dent & Protrusion inspection with real-time visual feedback



3D surface deformation analysis was never so easy!

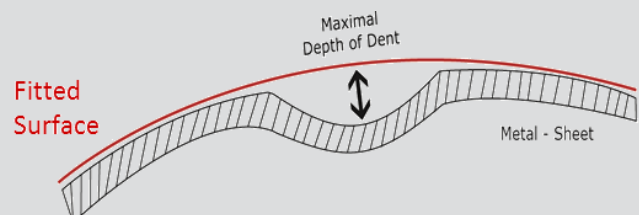
### What Is It?

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





## Dent and Protrusion inspection with real-time visual feedback

### 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 $\mu$ m (0.002")
Measurement Uncertainty (Depth) (Diameter)	+/- 50 $\mu$ m (0.002"); at a level of confidence of 95% +/- 1 mm (0.4"); at a level of confidence of 95%
Dent & Protrusion Inspection capabilities	
<ul style="list-style-type: none"> <li>• Measurement and Analysis</li> <li>• Coverage</li> </ul>	< 2 s Smooth and 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 30.0" x 3.6")



**How deep is that dent?**  
Find the answer on your surface!

*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](mailto:info@8-tree.com)

dentCHECK\_v2.5 / 03-16-EN technical data are subject to change without notice

