

Fastener inspection with real-time visual feedback



High-precision 3D fastener inspection was never so easy!

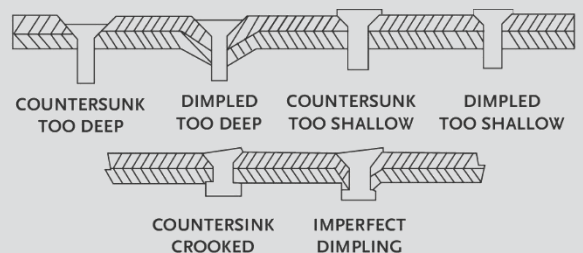
What Is It?

fastCHECK[®] is a revolutionary 3D surface inspection system that is amazingly easy to use – fast, simple and intuitive. It represents a ground-breaking approach to measuring fastener flushness – quickly, consistently and objectively.

What Does It Do?

fastCHECK[®] delivers high-accuracy 3D measurement and analysis of fastener flushness and angle, at the push of a button! Real-time visualization of results is achieved by patent-pending augmented reality, which presents the measurement results directly on to the measurement surface. The measurement surface becomes your screen!

Specifically tailored to the requirements of fastener and rivet inspection, fastCHECK[®] delivers easy-to-understand analysis of fastener flushness. Designed to be a fully self-contained unit, fastCHECK[®] is completely tetherless – no external computer, no external monitor and no cumbersome power-supply cables. fastCHECK[®] is the first in a family of truly portable, yet powerful, measurement 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	5 μ m (0.0002")
Measurement Uncertainty (Flushness)	+/- 12 μ m (+/- 0.0005"); at a level of confidence of 95%
Rivet & Fastener Inspection capabilities	
• Measurement speed	<2 s
• Coverage	Approx. 30 fasteners at once
Battery Life	Up to 4.5 hours (usable while recharging)
Remote controlled	built-in basic radio remote
Weight (without tripod)	~ 4kg (8.8 lbs) - with integrated CPU and battery
Dimensions	35.4cm x 30.0cm x 9.0cm (13.9" x 30.0" x 3.6")



fastCHECK® optically measures and marks up to 30 fasteners in less than two seconds

So...What's The Big Deal?

fastCHECK® 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