

Fastener Inspection with Real-Time Visual Feedback



High-Precision 3D Fastener Inspection was never so easy!

WHAT IS IT?

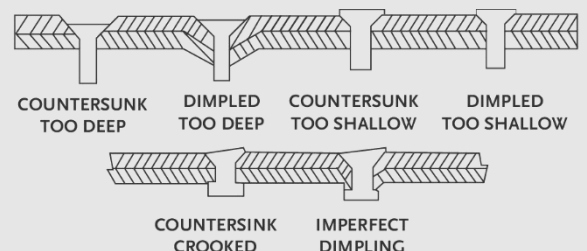
fastCHECK[®] is a revolutionary 3D surface inspection system that is amazingly easy to use – fast, simple and intuitive. It represents a ground-breaking approach to measuring fastener flushness – quickly, consistently and objectively.

HOW DOES IT WORK?

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 augmented reality (AR), 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.



Optically measures and marks up to 30 Fasteners in 4 Seconds

<i>Performance Overview of fastCHECK®</i>			
Field of View (FoV)		18 x 32 cm / 7 x 12.5" (adjustable)	
Resolution	Flushness	5 µm / 0.0002"	
	Diameter	0.25 mm / 0.01"	
Accuracy	Flushness	± 12 µm / 0.0005"	
	Diameter	± 1 mm / 0.04" (at 95% (2σ) confidence interval)	
Acquisition Time		minimum 100 ms enables handheld operation	
Rivet & Fastener Inspection Capability		Up to 30 fasteners at once	
Measurement Speed		Approx. 4 seconds	
Battery Life		up to 4.5 hours (still usable while charging)	
Nominal Working Distance		50 ± 5 cm / 20 ± 2"	
Weight (without tripod)		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"	



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!

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