

1-Click 3D fastener inspection with real-time visual feedback

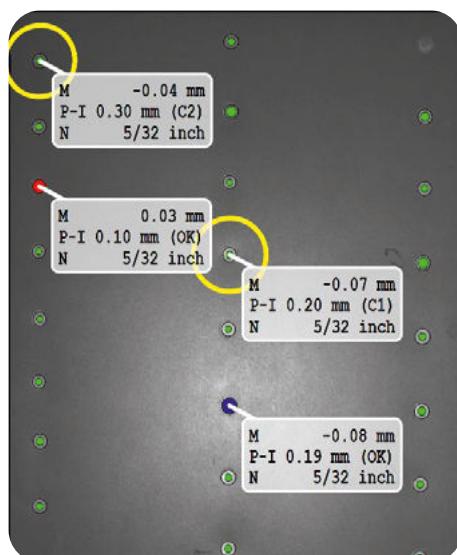


WHAT IS IT?

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 THE SCREEN™

WHAT ABOUT REPORTS?

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 handheld portable, yet powerful, measurement analysis tools from 8tree.

HIGH-PRECISION 3D FASTENER INSPECTION WAS NEVER SO EASY!

OPTICALLY MEASURES AND MARKS UP TO 100 FASTENERS IN 4 SECONDS

Performance overview

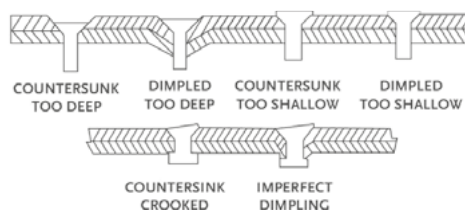
Field of View (FoV)		18 x 32 cm / 7 x 12.5"
Accuracy	Flushness	$\pm 12 \mu\text{m}$ / 0.0005" at 95% (2σ) confidence interval
Acquisition Time		0.1 sec
Inspection Capability		~ 100 fasteners at once
Measurement Speed		4 seconds
Battery Life		4.5 hours
Nominal Working Distance		350 ± 50 cm / 13.8 ± 2 "
Weight		3.4 kg / 7.5 lbs (with integrated CPU and battery)
Dimensions		340 x 200 x 340 cm / 13.4" x 7.8" x 13.4"

fastCHECK SETS A NEW INDUSTRY BENCHMARK FOR:

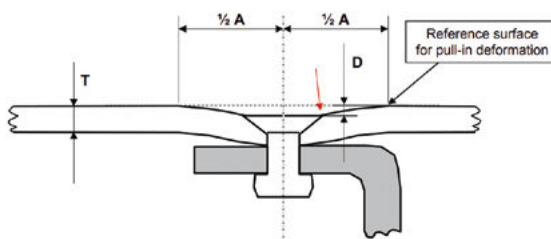
- ✓ **Speed:** 10x faster than current industry standard
- ✓ **Portability:** Lightweight, compact, battery-powered, integrated CPU. Easy to handle on the production floor.
- ✓ **Ease of Use:** Real-time visual feedback and intuitive user interface
- ✓ **Flexibility:**
 - Easily customized to different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

MEASUREMENTS INCLUDE:

- ✓ Fastener flushness at highest, lowest and mid point
- ✓ Angularity of fastener head



- ✓ Rivet Pull-In



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