

# stepCHECK<sup>®</sup>

## Step Inspection with real-time Visual Feedback



3D Fit & Finish Analysis of  
Adjacent Surfaces was never so easy!

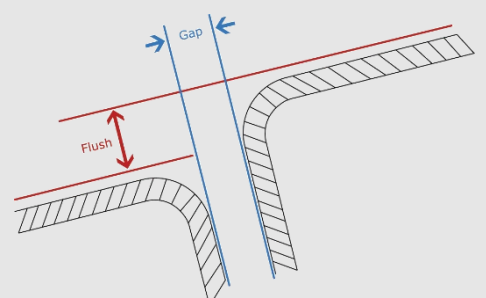
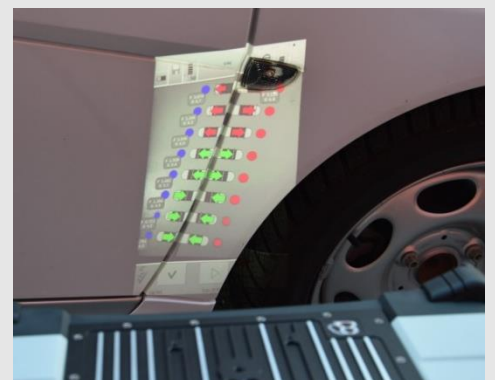
### WHAT IS IT?

stepCHECK<sup>®</sup> is a revolutionary 3D surface inspection system that delivers flushness analysis quickly and seamlessly. A ground-breaking solution for all manufacturing fit/finish needs, stepCHECK<sup>®</sup> is fast, simple and intuitive.

### HOW DOES IT WORK?

stepCHECK<sup>®</sup> delivers accurate 3D measurement and instant analysis of adjacent surfaces. With a single click, stepCHECK<sup>®</sup> measures the relative position and separation between multiple neighboring surfaces. Results are instantly visualized on the measured surface, using augmented reality. *The Measurement Surface Becomes the Screen™!*

Specifically designed to solve fit/finish challenges in the manufacturing environment, stepCHECK<sup>®</sup> boosts inspection efficiency by measuring numerous points along adjacent surfaces, in a single scan! It is a fully self-contained unit and completely tetherless – no external computer, no external monitor and no cumbersome power-supply cables. stepCHECK<sup>®</sup> is part of a family of truly portable, yet powerful measurement tools from 8tree.



## Step Changes measured for all Points along adjacent Surfaces

<i>Performance Overview of stepCHECK®</i>			
Field of View (FoV)		18 x 32 cm / 7 x 12.5" (adjustable)	
Resolution	Flush	5 µm / 0.0002"	
	Gap	100 µm / 0.004"	
Accuracy	Flush	± 15 µm / 0.0006"	(at 95% (2σ) confidence interval)
	Gap	± 300 µm / 0.012"	
Acquisition Time		minimum 100 ms enables handheld operation	
Measurement Speed		as fast as 2 seconds	
Step Coverage		up to 30 sections per measurement	
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"	



### stepCHECK® 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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