8tree®
revealing more dimensions

step✓CHECK®

Step Inspection with real-time Visual Feedback

14.3	-0.02	0.00	0.02	0.02	0.05	0.06	0.09	0.09	0.09	0.08	0.07	0.07	0.04	0.03	0.00			0.12	0.16	0.22	-0.27	-0.32	-0.38	-0.4
17.2	-0.01	0.01	0.03	0.04	0.06	0.08	0.10	0.10	0.11	0.10	0.09	0.08	0.06											-0.4
20.1	0.01	0.01	0.04	0.06	0.08	0.10	0.11	0.13	0.13	0.12	0.12	0.10												-0.4
22.9	0.04	0.03	0.05	0.06	0.09	0.10	0.13	0.14	0.14	0.14	0.14	0.13											-0.39	-0.4
25.8									0.16	0.14	0.12	0.11	0.07	0.05	0.00							-0.37	-0.4
28.7									0.17	0.17	0.15	0.13	0.10	0.07	0.03	-0.02	-0.08	-0.15				-0.37	-0.4
31.5	-0.01	0.01	0.04	0.06	0.08	0.11	0.13	0.15	0.17	0.16	0.17	0.18	0.16	0.14	0.12	0.09	0.05	0.00	-0.05	-0.12	-0.19	-0.26	-0.34	-0.4
34.4	-0.03	0.00	0.02	0.04	0.06	0.10	0.13	0.15	0.16							0.09	0.03	-0.03	-0.07	-0.16	-0.23	-0.32	-0.4
37.3	-0.06	-0.03	0.00	0.03	0.06											0.11	0.06	0.00	-0.06	-0.12	-0.20	-0.27	-0.3
40.1	-0.08	-0.06	-0.04	-0.01	0.04											0.14	0.10	0.04	-0.01	-0.08	-0.15	-0.24	-0.3
43	-0.12	-0.09	-0.07	-0.03	0.00											0.16	0.12	0.07	0.02	-0.04	-0.12	-0.19	-0.29
45.9	-0.16	-0.14	-0.10	-0.08	-0.04											0.17	0.14	0.09	0.05	-0.01	-0.07	-0.15	-0.24
48.8	-0.23	-0.20	-0.17	-0.12	-0.08					0.15	0.19	0.20	0.19	0.18	0.16	0.13	0.10	0.04	-0.03	-0.09	-0.17

How flush are those panels?
We will show you instantly!

Measurement Report

Part Number	#123456789
Part Name	Automatic Over Wing Exit Door
Operator	Joseph
Date	3/8/2017
Time	10:30:00 AM

#123456789

step✓CHECK

WHAT IS IT?

stepCHECK is a revolutionary 3D surface inspection system that delivers panel flushness analysis quickly and seamlessly.
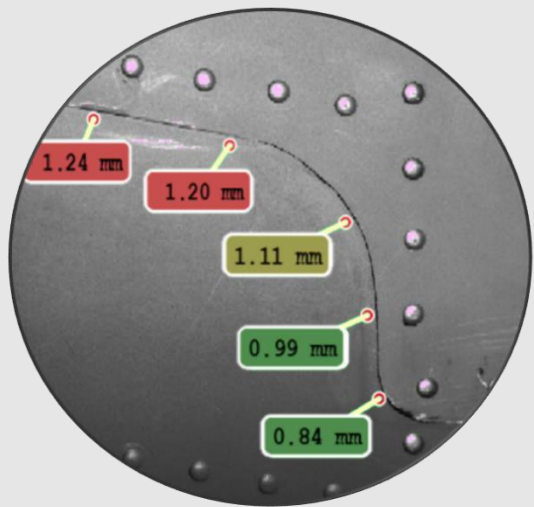
Zero Programming, Zero Post-Processing, Zero Surface Preparation

HOW DOES IT WORK?

stepCHECK delivers accurate 3D measurement and instant analysis of step height, parallelism, and flushness finish between adjacent surfaces. With a single click, stepCHECK measures the relative position between multiple neighboring surfaces. "Go/No-go" results are instantly visualized on the measured surface, using augmented reality.

The Measurement Surface Becomes the Screen™

The specifically designed to solve fit/finish challenges in the manufacturing environment, stepCHECK 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 is part of a family of truly portable, yet powerful measurement tools from 8tree.

1.24 mm
1.20 mm
1.11 mm
0.99 mm
0.84 mm

// 1.1 A

A

Flushness, Parallelism, Line Profile, Flatness, and more!

Performance Overview of stepCHECK			
Field of View (FoV)		18 x 32 cm / 7 x 12.5"	
Resolution	Flush (height) Gap (lateral)	5 µm / 0.0002" 200 µm / 0.008"	
Accuracy	Flush (height) Gap (lateral)	± 12 µm / 0.0005" ± 500 µm / 0.02"	(at 95% (2σ) confidence interval)
Acquisition Time		approx. 0.1 sec	
Measurement Speed		as fast as 2 sec	
Battery Life		up to 4.5 hours (still usable while charging)	
Nominal Working Distance		50 ± 5 cm / 20 ± 2"	
Weight		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"	

Image: © 8tree

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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