

The logo for EZ|3D, featuring the letters 'EZ' in a stylized, blocky font with a vertical bar between them, followed by '3D' in a similar font. The 'EZ' is yellow and the '3D' is white.

COMPACT AND PORTABLE 3D MEASUREMENT
SYSTEM FOR FAST AND ACCURATE PART
DEFORMATION MEASUREMENTS





★ TECHNOLOGY

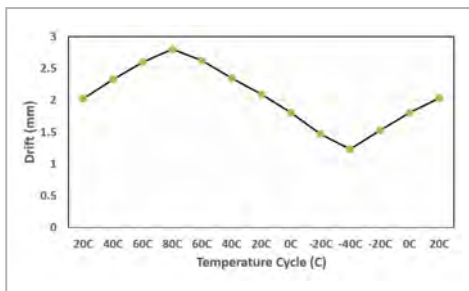
- Reliable stereo vision technology to establish 3D location of optical targets installed on any part(s)
- Real time feedback and graphical representation of results
- Fast operation due to stand alone tablet-based operation
- Designed for extreme environments
- Uncertainty Range indicator

+ FEATURES

- Different target and reference sizes to match the part size
- Multiple measurement points per snapshot
- Integrated LED lights for dark environments
- Adjustable exposure for different environments
- Laser guided easy positioning
- Ghosted location finder in camera preview
- External battery for continuous operation

↔ APPLICATION FEATURES

- Easy to use touch control software
- Automatic measurement reporting from tablet
- Templates for cycles and locations
- Edit name, comment on each measurement
- Graphical representation: image and graph
- Integrated Tolerance Monitor
- Integrated system verification procedure



☐ APPLICATIONS

- Body and Trim Fit: Thermal Cycling
- Interior Testing: Thermal Cycling
- Fit/Flex Assembly: Load Cycling
- Gap-Flush Drift

🔧 SPECIFICATIONS

Measurement Volume	300 x 300 x 200 mm
Volumetric Accuracy	0.1 mm
Average Standoff	300 mm
Product Dimensions	215 x 280 x 125 mm
Temperature Range	-40 to 60° C
Weight	2.0 kg (with tablet)

⚙️ OPERATION

1. Install the adhesive local reference labels and measurement points or targets.
2. Take an initial picture to document the initial dimension in 3D.
3. Optional gap and flush offsets can be documented for the initial state.
4. Change the environments condition; force, temperature, durability cycle, etc.
5. Take consecutive snapshots to document and measure the relative displacement of each of the targets with respect to their original position in the local reference.
6. Upon completion of all cycles, generate an excel report with numerical values and illustrations.