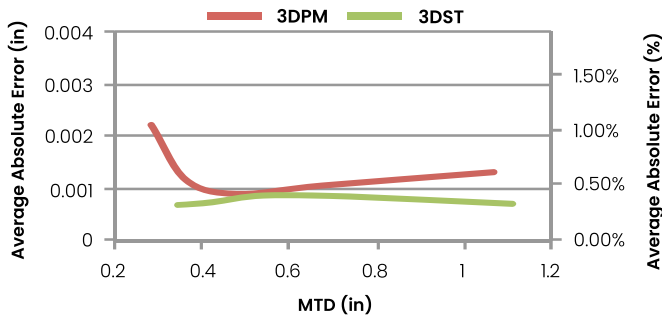


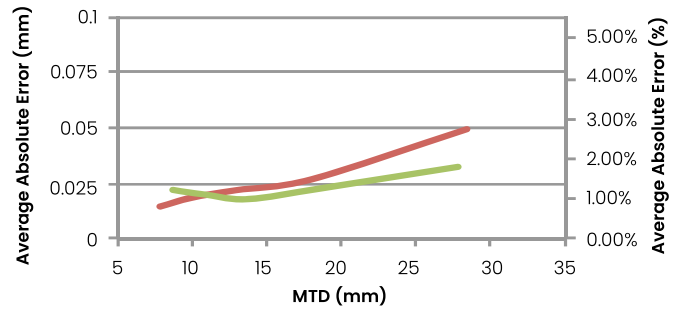
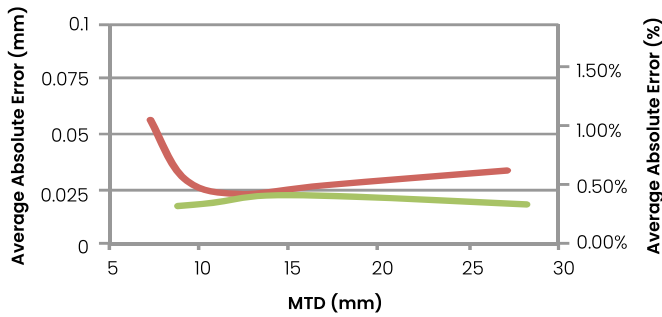
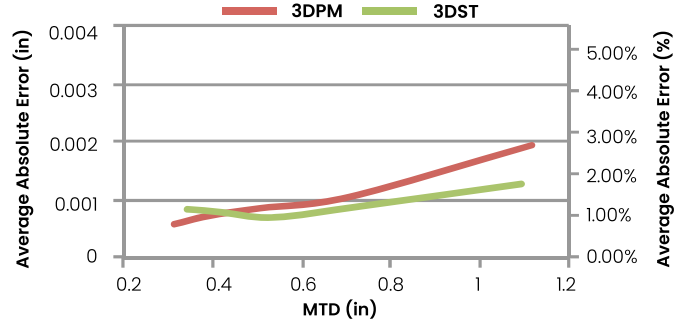
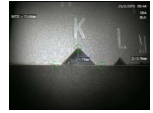
Measurement Accuracy Data

The measurement accuracy curves on pages 19–20 were created from trained third party test results using 6.1 mm diameter 3DPM and 3D Stereo (3DST) on a Mentor Visual IQ under controlled conditions with a matte finish test block. They should be interpreted as system capability under ideal conditions. Actual results vary with application, surface conditions, equipment condition, and user expertise.

Length Error vs. MTD
Averaged Over 0° to 50° Viewing Angle
0.21" (5.33 mm) Long Feature



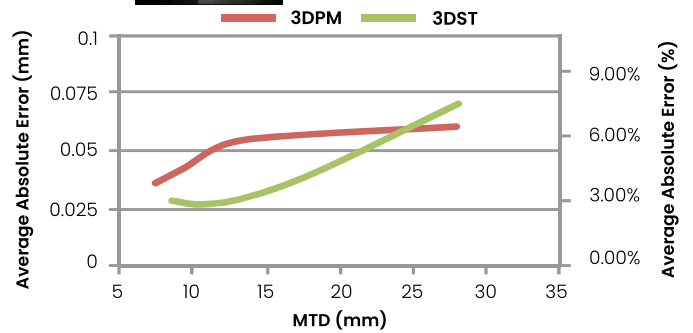
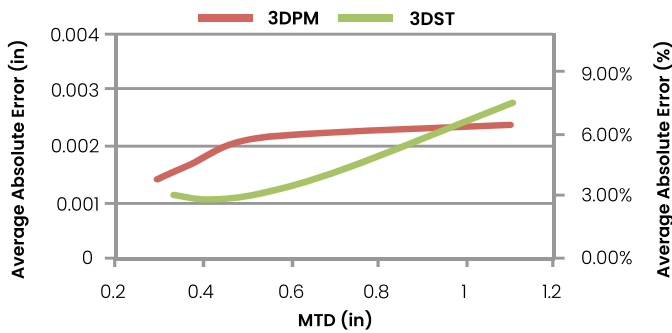
Pt-Line Error vs. MTD
Averaged Over 0° to 50° Viewing Angle
0.071" (1.803 mm) Edge Ding Feature



Accuracy curve for length measurement of a crack.

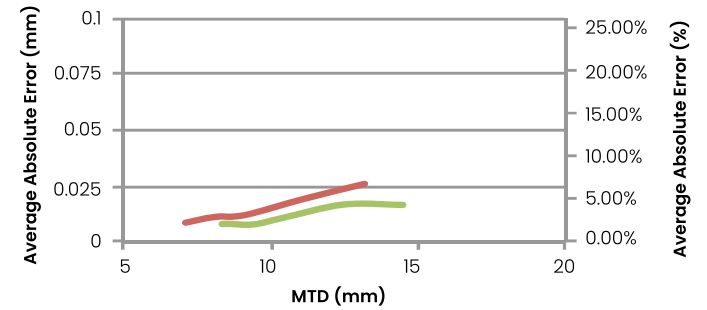
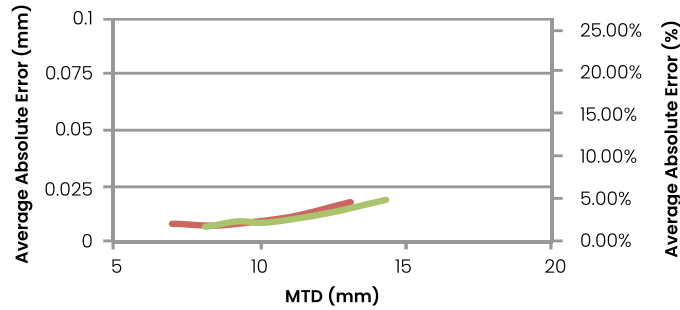
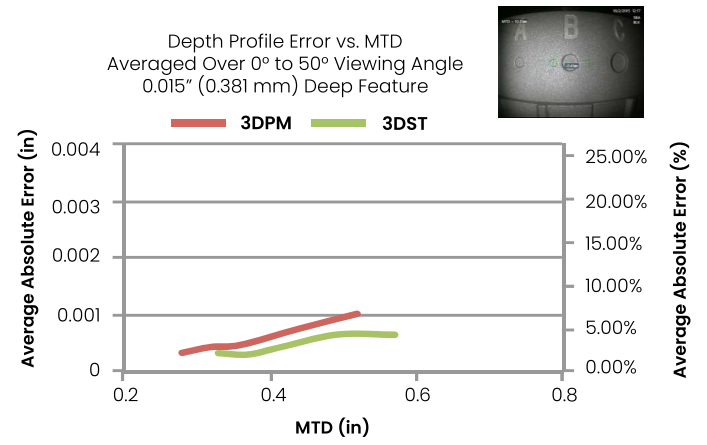
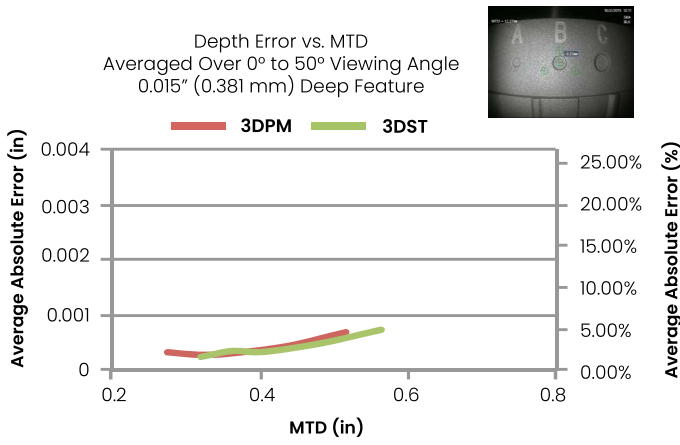
Accuracy curve for point to line measurement of an edge ding.

Pt-Line Error vs. MTD
Averaged Over 0° to 50° Viewing Angle
0.037" (0.94 mm) Missing Corner Feature



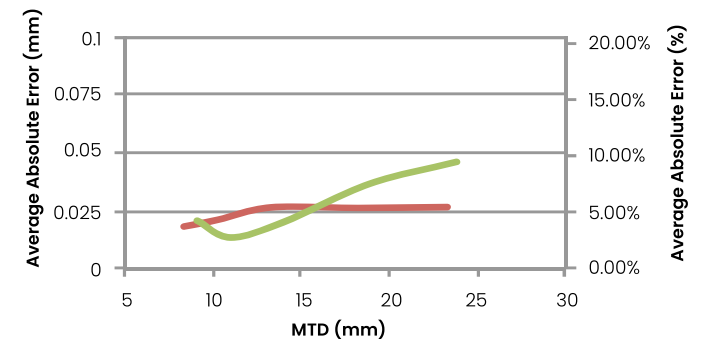
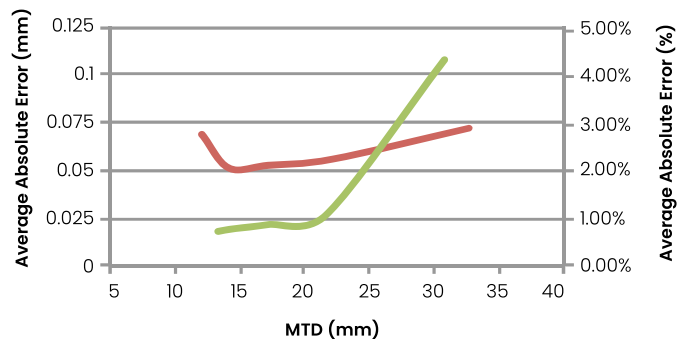
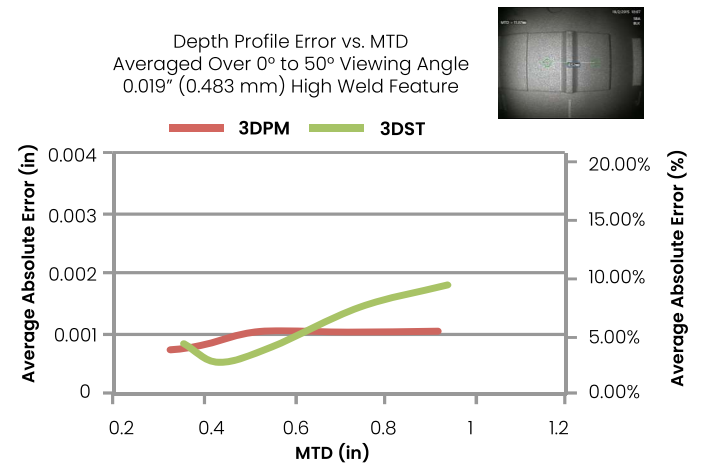
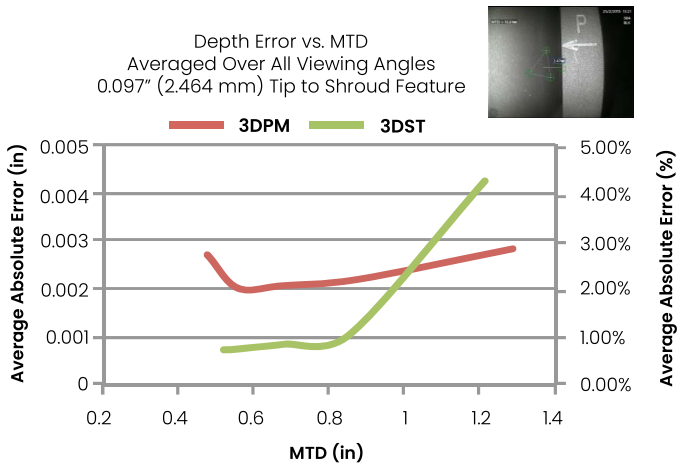
Accuracy curve for point to line measurement of a missing corner.

Note: Measurement Planes were not used in this testing but would likely improve the results on some features.



Accuracy curve for depth measurement of a pit or dent.

Accuracy curve for depth profile measurement of a pit or dent.



Accuracy curve for depth measurement of a tip to shroud distance.

Accuracy curve for depth profile measurement of weld height.