

How Imagine3D became known as “The Problem Solver”



Question # 3

Q: I would like to know whether or not a part could be inspected ultrasonically. Can Imagine3D help?

A: Yes. Even if your part has restricted access, or a strange geometry, Imagine3D can tell you if it can be inspected and how to do it. You can experiment with different probe locations, angles, frequencies and wedge geometries to see what works best. The simulated A-scan will show you the signals to expect and how much gain to use. Imagine3D will also allow you to determine to what extent signal shadowing affects the inspection.



Question # 7

Q: My inspections sometimes turn up unexpected echoes. Can Imagine3D help me figure out where they came from?

A: Yes. In fact, Imagine3D can show you exactly where all of the echoes on your A-scan are coming from. You can view just the longitudinal waves or just the shear waves or any mode-converted combination of the two. You can even click on a signal of interest in the A-scan view and Imagine3D will show you the source of the signal by raytracing only to that interface.

To see the other questions in this series, please visit www.utex.com or call us at: Tel (905) 828-1313 Fax (905) 828-0360 E-mail sales@utex.com