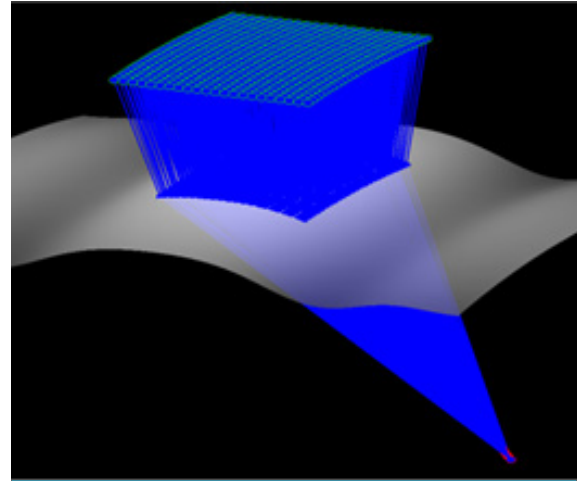


Dynamic Full Matrix Capture

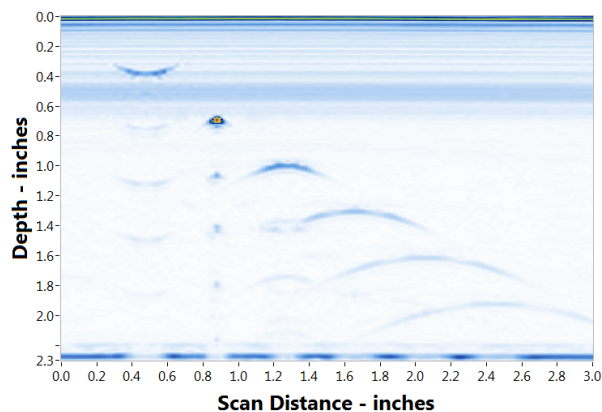
BWX Technologies, Inc. (BWXT) is at the forefront of the development of high-speed industrial Full Matrix Capture (FMC) inspections and holds five related patents. FMC allows inspections to be performed that dynamically adapt the focusing of the ultrasound to correct for a variety of surface conditions.

BWXT FMC ultrasonic inspections provide many advantages over phased array inspections:

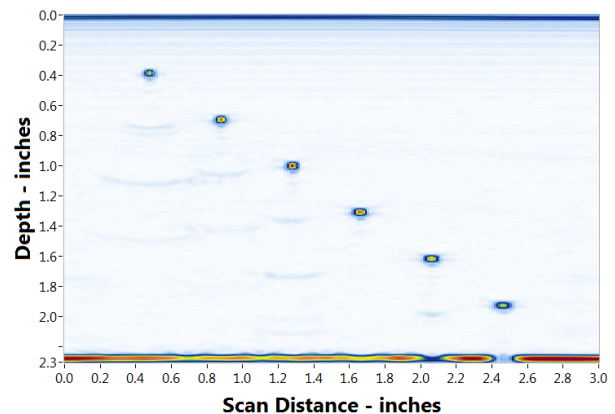
- More effective inspection of components with arbitrary curved, rough or wavy surface geometries
- Precise surface mapping
- Raw ultrasonic data collected during scanning can be reprocessed at any time with different beam characteristics for enhanced indication characterization
- FMC can provide ultrasonic inspections that are continuously focused throughout the inspection zone in real time



3-D focusing on wavy surface

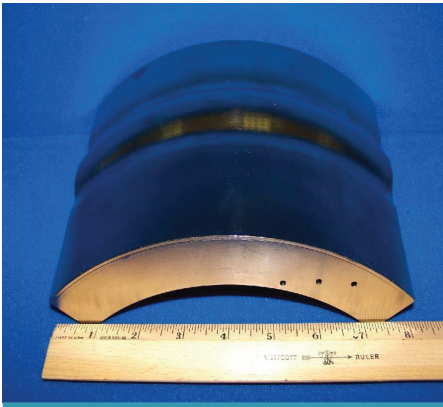


Single focal depth phased array

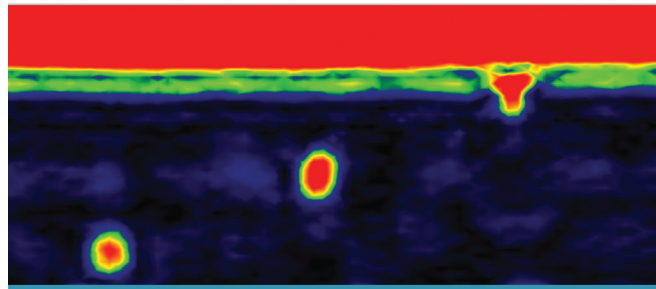


BWXT FMC continuous focusing

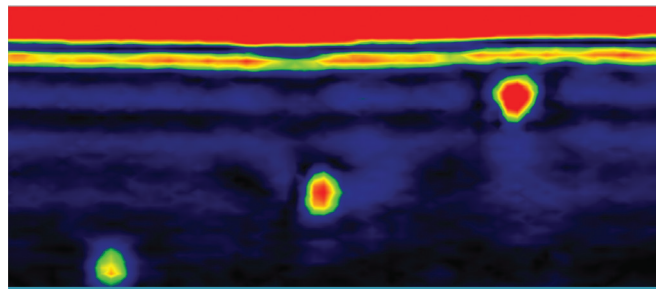
Full Matrix Capture Dynamic Surface Corrected Inspections for Arbitrarily Wavy and Curved Surfaces



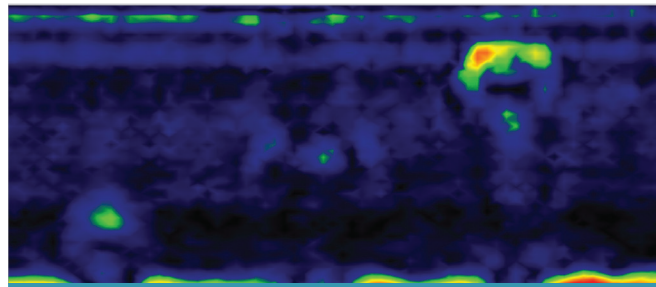
Simulated weld surface test piece with side drilled holes (bottom)



0° beam angle scan over the axially flat region



0° beam angle scan over the simulated weld crown using surface correcting FMC



0° beam angle scan over the simulated weld profile without correcting for the surface geometry

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INNOVATION DRIVEN >



At BWX Technologies, Inc. (NYSE: BWXT), we are People Strong, Innovation Driven. Headquartered in Lynchburg, Virginia, BWXT is a Fortune 1000 and Defense News Top 100 manufacturing and engineering innovator that provides safe and effective nuclear solutions for global security, clean energy, environmental restoration, nuclear medicine and space exploration. With approximately 6,700 employees, BWXT has 14 major operating sites in the U.S., Canada and the U.K. In addition, BWXT joint ventures provide management and operations at more than a dozen U.S. Department of Energy and NASA facilities. Follow us on Twitter at @BWXT and learn more at www.bwxt.com.

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