Phased Array Ultrasonic Testing (PAUT) uses multi-element transducers to create and transmit ultrasonic beam fronts at a variety of angles simultaneously to identify and size defects across a variety of materials.

**KEY ADVANTAGES:**
- Non-intrusive
- Doesn’t affect plant equipment
- Faster inspection times
- Ability to size defect height, depth and length
- Higher sensitivity to planar flaws
- Better accuracy for flaw location
- Ability to electronically focus at specific depths
- Digital record that can be shared via email or network
- No barricades or lost production during inspection
- Eliminates all hazards associated with radiation

**QUALIFICATION TESTING**

Each Amerapex certified technician must pass a practical examination that includes four test specimens. All Amerapex technicians also hold current QUPA certifications from the American Petroleum Institute (API).