

Non-Destructive Testing

Liburdi Dimetrics is a technology company focused on providing welding solutions to the industry. NDT is an integral part of welding; however, the two technologies are seldom fully integrated. This leads to increased costs, due to redundant motion platforms, and loss of productivity, as the two systems are rarely designed to work side by side.

Our objective has always been to provide quality products and services to enable our customers. Our field hardened orbital motion platforms, combined with decades of hardware, software and processes development, allow us to merge the welding and NDT technologies to offer one, seamless solutions.

Services

- Feasibility studies
- NDT technique development and qualification
- Technical justification (CIQB, ENIQ, AND ASME)
- Probability of detection
- Operator training
- Data recording for analysis and QA
- Custom probe development (UT, PAUT and ECAT)

Special Technologies

- Design for high radiation environments
- Integration of multiple NDT disciplines
- Specialized motion platforms including coordinated motion
- PAUT inspection without couplant
- High temperature inspection

Typical Applications

- ECAT weld inspection for Spent Nuclear Fuel canister closure
- High speed ET weld inspection for Tube Mill applications
- Phased Array Ultrasonic Testing (PAUT) and ET of Weld Overlays
- ET inspection of Tube Sheet welds
- PAUT volumetric inspection of most weld alloys

