

# Multi Axis Industrial UT NDT

## Ultrasonic Non Destructive Testing System



### Hardware

- Custom Scan Field
- Pulser-Receiver (1 to 200 MHz)
- Dynamic Range,
  - 8-bit 1-GHz | 12-bit 250 MHz
- Safety Light Curtains
- Acrylic or Steel Tank
- Axes
  - X Y Z1/Z2
  - Rotator
  - Turntable
  - Gimbal/Swivel

### Operating System

- Windows 11 Pro

### Facility Requirements

- 120/240 VAC 1 Phase 20 Amps
- Type 2 De-ionized Water
- 5 PSI Air (for Turntable and Gimbal/Swivel options)

### Use Cases

- Contour Following
- Billet Inspection
- Turntable Inspection

### Scanning Modes

- Pulse Echo
- Through Transmission
- A-Scan Waveforms
- B-Scan Cross Section Images
- C-Scan Planar Images
- TOF - Time of Flight Images
- THK - Thickness Images

### Measurements

- Time Domain
- Frequency Domain
- Max Peak Amplitude
- Pos and Neg Peak Amplitude
- Time of Flight to Peaks & Edges
- End-User Signal Processing

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