



Ultrasonic Testing

**CTL ENGINEERING'S TECHNICIANS ARE TRAINED AND CERTIFIED TO APPLICABLE INDUSTRY AND NATIONAL STANDARDS. THEY ARE ABLE TO PERFORM SERVICES ON-SITE OR IN-HOUSE WITH THE AID OF AN ANALYTICAL LABORATORY.**

#### NON-DESTRUCTIVE EXAMINATION

CTL Engineering's Nondestructive Testing Group provides equipment, personnel, and approved procedures for Weld Quality Evaluations, Crack and Flaw Detection, Corrosion Evaluations and Fatigue Assessment, as well as the data used in condition based maintenance programs.

#### WELDING/BRAZING

Welding specialists, Certified Welding Inspectors (CWI), and technicians can help you with all phases of the qualification testing for government and industry requirements. For example, technical assistance is provided to help you select the parameters for the procedure, performance and qualification tests. We also prepare the necessary welding and brazing qualification paperwork.

Our Engineers, Welding Specialists, and NDE Personnel will be happy to help evaluate the cause and recommend corrective action for any problems that you are experiencing.

#### NONDESTRUCTIVE EXAMINATION:

- Ultrasonic Testing
- Visual Examination
- Penetrant Testing
  - Dye
  - Fluorescent
- Bolt Tensioning
- Magnetic Particle Testing
- Thickness Measurements
  - Metal
  - Coatings

#### WELDING/BRAZING:

- Prepare Forms
- Failure Analysis
- Destructive Testing
- Prepare Procedure Specifications
- Qualification Testing
- Nondestructive Testing
- Certified Weld Inspectors

#### APPLICATIONS:

- Piping
- Castings
- Deaerators
- Structural Steel
- Pressure Vessels
- Storage Tanks
- Lifting Devices

