

## Visual Inspection

- The component will be received, cataloged and entered into our tracking database which will periodically be provided to you as an excel spreadsheet showing a summary of the inspections performed.
- All the welds on a component will be visually inspected for discontinuities and defects based on the drawing and proper welding code. Pictures will be taken of any discontinuities or defects found.

## Cross Sectioning

- Cross sections of each weld configuration will be cut from the component, polished and metallurgically etched to distinguish the weld metal from base material.
- Proper fusion, and Joint penetration will be inspected for each cross section from pictures and measurements taken using a calibrated PC microscope and software package.

## Reporting

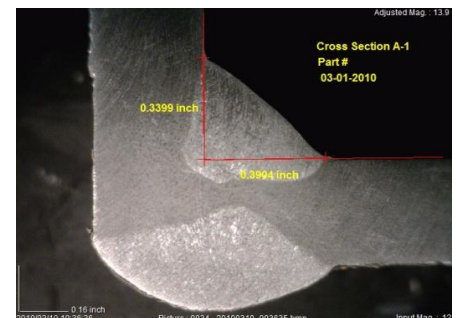
- A short, visual, report will be compiled of the component's soundness with the pictures from visual inspection and cross sectioning.
- If requested, component and or welding documentation will be reviewed for soundness.
- The cross sections and evaluated components will be held for 90 days (longer upon request), or sent back to you.

Independent weld evaluations ensure that you're receiving a quality product from your suppliers.

- ✓ Quick Turn-around
- ✓ Easy Tracking



EXAMPLE VISUAL INSPECTION



EXAMPLE MACRO PICTURE

### About Applications Technologies Company

Applications Technologies Company (ATC) is the premier welding engineering enterprise in the US. Established to offer engineered welding and manufacturing solutions, our mission is to provide clients with the technical concepts and tools necessary to assist them in achieving and maintaining global competitiveness. Areas of expertise include: welding process selection and optimization; consumable selection; component design for manufacturability; weld quality planning and improvement; supply chain quality management; interpretation and application of welding standards; mechanical testing; nondestructive examination; and automated welding equipment design, fabrication and implementation. With more than fifty years of combined welding engineering and fabrication experience, ATC offers the most cost-effective approach to application of welding and manufacturing technology to maximize your company's bottom line.