



Daily Schedule: Practical Training for Welding Aluminum Alloys

HOSTED BY THE LINCOLN ELECTRIC COMPANY

DAY 1

- Introduction & Outline
 - Aluminum Metallurgy
 - Aluminum GMAW
 - Metal Preparation – classroom and hands-on
 - Shop Discussion - parameters, techniques, setup machines, tools required, etc.
 - GMAW Hands-on Welding – how basic parameters change results
 - Practical Welding
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DAY 2

- Basic AWS code requirements for welder qualification
 - Basic Aluminum Troubleshooting – porosity, feeding and weld cracking
 - GMAW Process Comparisons; CV and Power Mode[®]
 - GMAW Process Comparisons; Pulse and Pulse-on-Pulse[®]
 - Practical Welding
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DAY 3

- Review of testing – position, parameters, requirements, type of testing, and preparation of test specimens
 - Overview of welding techniques per position
 - Practical Welding (all positions) – instructors will be available for questions and tips
 - Test plate welding
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DAY 4

- Instruction on testing – position, parameters, requirements, type of testing, and preparation of test specimens
- Practical Welding (all positions)
- Test plate welding