

# TECHNICAL TRAINING PROGRAMS

## ADVANCED ROBOTIC PROGRAMMING



### What Is It

A 3-day training programming covering advanced tasks and procedures that an operator, technician, engineer or programmer needs to maximize productivity and quality with a Lincoln/Fanuc RJ-Series Robotic Welding System. Class size will be limited to 10 participants.

### Please Note

*The person attending must have completed the Lincoln Automation Basic Robotic Training Course and be proficient in basic programming techniques.*

### Course Objectives

Participants will be able to:

- Edit programs while another is running
- Make temporary adjustments to weld points to compensate for batch runs
- Make On-The-Fly changes to weld procedures
- Copy/Shift programs to new locations to reduce programming time
- Add explanatory text to programs including custom Alarm Messages
- Do full controller memory backup and restore
- Use Tool Offset Utility to minimize programming when changing to new style of torch
- Use Find, Replace, Copy and Paste commands
- Setup the Reference Position Utility to establish a safe position for the robot
- Change weld procedures in the middle of weld
- Monitor weld command and feedback signals
- Use Test Cycle to speed up the programming testing process
- Use logic instructions to simplify programming of parts with multiple, similar weld joints
- Setup and incorporate a User Frame into programming

### Course Fee

**\$1,500.00**

### 2008 Course Dates

Feb 4 – 6  
May 5 – 7  
Sept 15 – 17  
Nov 10 – 12

**For Registration, Price & Hotel Information, Contact**

**Lincoln Automation**  
216-383-8542

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**The Welding Experts**