

US490 IRC5 Basic Robot Welding

The goal of the course is to train the student to safely use the teach pendant to create weld programs, set and change weld data and edit existing programs. This course is designed for the IRB140, 1400, 1600, and 2400.



Topics include

- Safety precautions while programming and operating the robot system
- Operator controls and indicators on the teach pendant and operators panel
- Correct positioning of the robot using the teach pendant and various motion types
- Production Manager structure and operation
- ArcWare program commands and functions
- Teach pendant menus and displays for entry of welding routines, program commands and weld data
- Positioning of the part using a positioner
- Setting-up and using the ABB "BullsEye" device to create and check tool center points

Course objectives

After completing this course the student should be able to:

- Safely operate robot welding cell
- Create routines using proper structure
- Understand and use the "Production Manager" program to create new welded part programs and modify existing programs
- Save and load part programs to and from disk
- Understand and save system parameters
- Use the positioner to properly orient the part for welding
- Recognize and recover from basic system errors

Student profile

Welding cell programmers and engineers

Prerequisites

- GMAW training or similar welding experience
- Microsoft PC operating training or experience for Windows 3.1, 95, or NT

Duration

Course Duration is 4.5 days.

Customer Service – Robotics

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