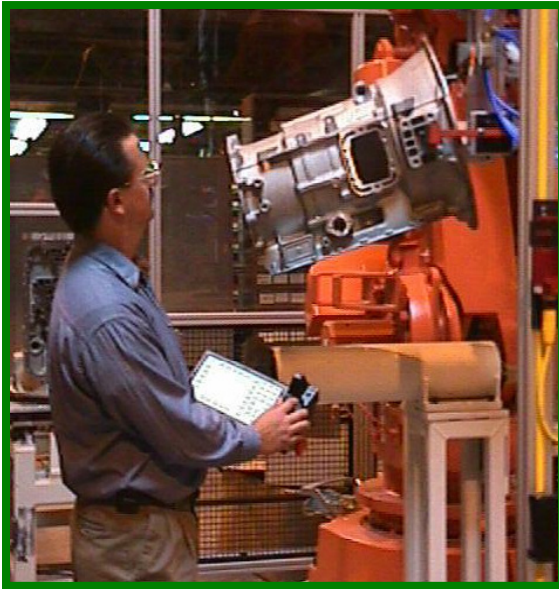


# US322-S4 Programming Refresher



This course is based on our comprehensive S4 Basic Programming course (US312) but shortened to the main critical areas and designed to re-familiarize students with key procedures to operate and program the robot using the teach pendant.

**Course Duration:** 2 days

## **Topics Include:**

- Safety precautions used while programming and program execution
- Operating controls and indicators on the robot controller
- Positioning the robot by use of joystick control
- Program creation procedures
- Program modification techniques

## **Course Objectives**

*After successfully completing the course, the participant should be able to:*

- Practice all areas of safety as they pertain to the robot
- Identify and use all the buttons on the teach pendant
- Run the robot system in both manual and automatic modes
- Interpret and respond to error codes
- Verify robot synchronization and be able to make corrections if needed
- Open or save programs to and from all the mass memory units
- Add new instructions to the current program or modify the existing ones
- Create routines and utilize I/O instructions in a program
- Use registers to aid in the decision making process

## **Student Profile**

- Engineers
- Service personnel
- Machine operators
- Supervisory personnel

## **Prerequisites**

- Each student is required to have attended and completed a previous S4 programming course US312