



2 Day Service/fault finding course

Day 1

- Introduction
- IRC 5 system overview
- Power supply system
- Panel Board
- Safety Run chain
- Contactor unit
- Computer system
- Flex Pendant
- Servo system
- Feedback system SMB Board
- Calibration/Revolution counter
- Power supply for servo system
- Main Drive units
- Circuit diagrams controller, manipulator
- Elementary I/O System



Day 2

- Review of day 1
- Field buses, Gateways overview
- Local HD Layout
- File transfer with Robot Studio or an FTP client
- System parameters overview
- Advanced restart options
- Installation of Robot control software
- Robot Studio System builder
- Maintenance Overview
- Conclusion



Course Outcome

After successfully completing the entire 2 day course the participant will have experienced and be able to perform following tasks with the aid of appropriate manuals and course materials.

- Identify controller, manipulator type & model including serial number
- Identify system RobWare revision
- Identify basic robot system hardware components and part numbers
- Identify and describe the manipulator main axis
- Identify and describe safe methods for releasing the brake using Push buttons
- Identify and describe some of the robots built in safety functions
- Describe safe working procedures during repair and maintenance
- Describe common safety risks working on the robot
- Confirm, acknowledge, view event messages and LOG files
- Identify and describe all robot system hardware



components and their main function

- Identify and describe error indications on basic units
- Identify and Perform an advanced restart (I-start, P-start, X-start)
- Install control RW software using Robot studio (C-start)
- Explain and describe when fine calibration is required
- Explain and describe when update revolution counter is sufficient
- Identify and perform a change of specific system parameter
- Describe robot system normal maintenance requirements