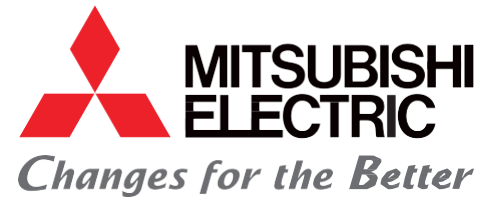




for a greener tomorrow



# MR-J5 Motion Control

## MOTION TRAINING

### Course Description

MR-J5 Motion Control	
Course Code	TRMOT203P
Length	3 Days
Prerequisite	GX Works3 Programming

### INTRODUCTION

This class is focused on positioning control, and does not contain a discussion of PLC addressing, address types, basic software operation of hardware configuration. The material in this class is applicable to the RD78G/GH Motion Controller and the ME-J5 Servo System.

### WHO SHOULD ATTEND?

Students will learn how to create a simple motion system with the iQ-R PLC platform. Positioning, parameters, homing, diagnostics, synchronous, and camming features will be discussed. Student exercises will be programmed using the Function Block (FB) language.

### COURSE HARDWARE

RD78G/GH, MR-J5, iQ-R

### PREREQUISITES EXPLAINED

Students should have already attended the GX Works3 Programming course, or have at least 1 year experience programming Mitsubishi Electric iQ-R/F PLCs.

### MITSUBISHI ELECTRIC AUTOMATION, INC.

500 Corporate Woods Parkway, Vernon Hills, IL 60061  
847.478.2100 • Email: Training@meau.com

[us.MitsubishiElectric.com/fa/en](http://us.MitsubishiElectric.com/fa/en)

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### RECOMMENDED E-LEARNING

[Servo Basics](#)

[Servo Amplifier](#)

### COURSE OUTLINE

- LESSON 1 Intro to MELSERVO-J5 Hardware
- LESSON 2 Intro to MELSERVO-J5 Software
- LESSON 3 GX Works3 and Motions Module Configuration
- LESSON 4 Programming the RD78 Motion Module
- LESSON 5 Monitoring and Diagnostics
- LESSON 6 Homing the Axes
- LESSON 7 PLCopen Function Block Programming
- LESSON 8 Multiple Axes Positioning Control
- LESSON 9 Motion Control 2 (Synchronous Control)
- LESSON 10 Servo Adjustments

### MITSUBISHI CERTIFICATION

This class is eligible for Mitsubishi Certification. Simply notify your instructor that you wish to pursue certification.

