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MT Works2 Programming

SOFTWARE TRAINING

Course Description

MT Works2 Programming	
Course Code	TRSFT105P
Length	4 Days
Price	\$1500
Prerequisite	GX Works2 Programming

INTRODUCTION

This course is intended to familiarize the attendee with motion controllers and MT Works2 software. This course focuses on the Motion Control CPU and programming, and does not contain a discussion of basic PLC addressing, address types, basic GX Works2 operation, or hardware configuration. This class is applicable to the QDS Motion CPU, QD Motion CPU, QH Motion CPU, as well as the Q170M CPU and MR-MQ100 standalone motion controllers.

WHO SHOULD ATTEND?

Students will learn how to create a motion system with the iQ platform. Positioning, parameters, homing, diagnostics, real/virtual modes, and camming features are discussed.

COURSE HARDWARE

Q172D(S)CPU, Q173D(S)CPU

PREREQUISITES EXPLAINED

Students should have already attended the GX Works2 Programming course, or have at least 1 year experience programming Mitsubishi Electric PLCs.

RECOMMENDED E-LEARNING

[Servo Basics](#)

[Servo Amplifier](#)

[Real Mode \(SFC Programming\)](#)

[Virtual Mode \(Synchronous Programming\)](#)

COURSE OUTLINE

LESSON 1	Hardware Introduction
LESSON 2	Getting Started
LESSON 3	MMT Developer Introduction
LESSON 4	Sequence Processor
LESSON 5	Memory Structure
LESSON 6	Homing
LESSON 7	Motion SFC Introduction
LESSON 8	MT Works2 Tools
LESSON 9	Positioning Profiles
LESSON 10	Motion SFC Examples
LESSON 11	Virtual Mode Introduction
LESSON 12	Virtual Mode Programming
LESSON 13	Cam Programming
LESSON 14	CPU Integration
LESSON 15	Dedicated Instructions
LESSON 16	Advanced Concepts

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