

Course Description

G1933

Mint Motion Programming Level 2 for Support Engineers

Course type

This is a class room based course with hands on lab work supported by an instructor

Course Duration

The material is presented over a 3 day period

Course Goal

This class provides on-going development to the Mint programming language and the software tools used with the products.

Student Profile

It is assumed that participants on this course are involved in the technical support of Motion Products. The material is predominantly Mint programming based so a reasonable level of experience in programming controllers is beneficial. A reasonable knowledge of general servo motion applications is an advantage.

Prerequisites

Completion of the Mint Motion for Support Engineers Level 1 class is required. Together with some experience of Mint motion product applications.

Description

This class is an extension of Level 1, it is targeted at support engineers and covers most of the more complex programming methods available in the Mint programming language.

There is also a high emphasis on the diagnostic features of the programming tools and in the development of whole systems.

Course Objectives

After attending this class participants should have gained sufficient knowledge to support customers with new applications.

There is likely to be a requirement for continued support from the GPL as they gain experience and familiarity with the motion products.

Main Topics

- Advanced Motion
- Application details
- Host programming techniques using Mint ActiveX control

Course agenda

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Mint Motion for Support Engineers Level 2

DAY 1

- Recap of Level 1 content
- Mint Module - Advanced motion (Interpolation and Move buffering)
- Mint Module - CAM profiling
- Mint Module - Motion triggering methods for high accuracy synchronisation

DAY 2

- Mint Module - Position latching for registered systems
- Mint Module - Communications methods using Motion Systems
- Mint Module - Host programming and the Mint ActiveX control

DAY 3

- Mint Module - Drive tuning
- Using an HMI
- CANOpen Peripherals
- System specification and design
- Overview of Motion Expert Class
- Questions and Answer