

Course Description

G1932

Mint Motion Programming Level 1 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 an introduction to Mint Motion Products, 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 has a strong bias to Mint programming so some experience of programming controllers is beneficial. No previous experience of Mint programming is assumed. A general knowledge of general servo motion products and their applications is an advantage.

Prerequisites

No specific previous training is required. It is advised however that attendees familiarize themselves with the Mint Motion products from the website or a catalogue in advance.

Description

This class offers a foundation in the Mint product range and the tools used to configure them. An introduction to the Mint programming language is then covered. This details instructions for basic program structure and for simple motion.

The content of this class is targeted at engineers who have experience of motors and drives and of their application. However no previous knowledge of Mint Motion products or Mint programming is required.

Course Objectives

After attending this class participants should gain sufficient knowledge and confidence to assist sales engineers in supporting customers with both pre and post sales activities.

Skills should be developed to demonstrate products, provide technical support and commission simple motion systems.

Main Topics

- ABB Motion product overview
- Getting started with Mint programming
- Simple Motion Mint programs

Course agenda

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Mint Motion for Support Engineers Level 1

DAY 1

- Product overview - Analogue Motion Systems
- Product overview - e100 Motion Products
- Mint Workbench – Universal software tool for configuration, programming and diagnostics
- Lunch
- Network configuration and Drive Commissioning Exercise
- Mint Module - Basic Mint Programming
- Mint programming style

DAY 2

- Mint Module - Simple Motion Commands
- Product overview - Motiflex e100 and Microflex e150
- Lunch
- Mint Module - IO Control and Interrupts
- Mint Module - Program structure (Subroutines, Functions and Tasks)

DAY 3

- Mint Module - Error handling
- Mint Module – Flying shear motion
- Lunch
- Overview of further Mint functionality
- Mint Successes
- Questions and answers