Course description

G1951e
Motion control basics
Internet course

Course type
Internet course

Course Duration
The course duration is approximately 25 minutes.

Course Goal
The goal of this course is to gain an overall knowledge of the key terminology for motion control.

Student Profile
This course is intended for sales, technical support, field service engineers, product managers, engineering support, and OEMs.

Prerequisites
- Basic knowledge of all-compatible drives, such as ACS880
- Basic knowledge drive IEC programming
- Basic knowledge of fieldbuses
- Basic knowledge of feedback devices
- An Internet connection. The recommended browser is Microsoft Internet Explorer.

Notes
If you have no experience of working with drives, it is highly recommended to take a hands-on course in addition to this course, to be able to utilize the drive to its full potential.

Course Objectives
After this course you will be able to:
- Understand in which applications motion control is used
- Identify the difference between a centralized and decentralized system
- Understand and apply the key terminology related to motion control

Main Topics
- Absolute vs. relative motion
- Point-to-point positioning
- Linear motion
- Rollover functions
- Synchronization
- Homing
- Cyclic correction
- CAM functions