

SELF-PACED LESSONS

RSLogix 5000 Motion Overview

- Defining a Typical RSLogix 5000 Motion Control System
- Comparing Axis Control Modules

Configuring a Project for Motion Control

- Configuring the Servo Modules
- Configuring the Controller
- Adding and Configuring a SERCOS Servo Drive Axis
- Adding and Configuring an Analog Servo Drive Axis

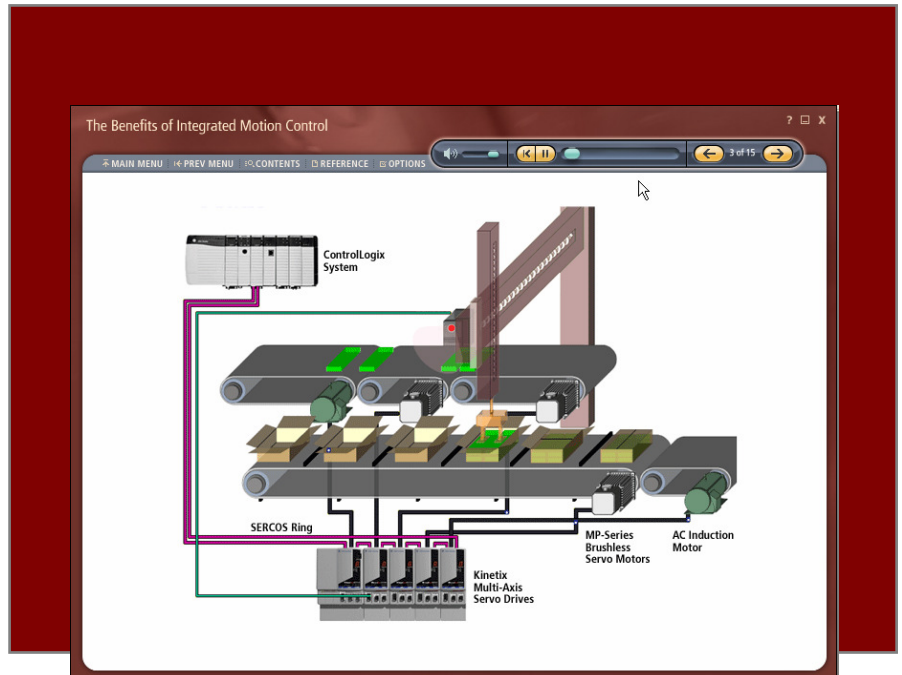
Programming Motion with RSLogix 5000 Software

- Understanding the Motion Instruction Tag Structure
- Comparing Immediate and Synchronous Instructions

Commissioning a Motion Control Project

- Testing and Tuning an Axis
- Using Motion Direct Commands

RSTrainer® for RSLogix™ 5000 Software – Motion



Course Purpose

This interactive, self-paced training course teaches you the core tasks required to effectively program motion control applications. This course is available in both computer-based and web-based delivery formats and is part of a series of e-Learning courses designed to teach you RSLogix 5000 software.

During the course, you will learn how to configure servo modules, program motion instructions, and test and tune axes through step-by-step demonstrations. Through the demonstrations, you will learn about the various settings and options in the software and see how to perform the required tasks for example motion applications.

Helpful animations, background information, and links to other reference materials provide you with a variety of knowledge and learning tools. These tools, combined with the step-by-step demonstrations, will provide you with the knowledge and skills required to perform each task. You will also have the opportunity to practice performing software tasks through interactive simulations. These simulations will guide you through the required steps and give you immediate feedback on your performance to reinforce learning.

You will also be given multiple opportunities to test your knowledge through question and answer sessions. These question and answer sessions will allow you to gauge your knowledge level and help you identify areas for improvement.

Intended Audience

These e-Learning courses are intended for the following audiences:

- Individuals who prefer self-paced instruction
- Individuals who cannot attend classroom training
- Users of Rockwell Automation RSLogix 5000 motion control systems who need refresher training
- Individuals interested in the features and capabilities of RSLogix 5000 motion control software

Prerequisites

To successfully complete this course, you should be able to perform basic Microsoft® Windows® tasks.

Completion of the following e-Learning training courses or equivalent experience with RSLogix 5000 software is recommended:

- *RSTrainer for RSLogix 5000 Software – Project Configuration*
(cat. numbers 9393-RSTLX5KPRJ, 9393-RSTLKPRJENF, or WBT1PACK)
- *RSTrainer for RSLogix 5000 Software – Offline Programming*
(cat. numbers 9393-RSTLX5KOFF, 9393-RSTLKOFFENF, or WBT1PACK)
- *RSTrainer for RSLogix 5000 Software – Online Monitoring*
(cat. numbers 9393-RSTLX5KON, 9393-RSTLKONENF, or WBT1PACK)

Web-Based or Computer-Based Training

Choose the training delivery method that best suits your needs:

- RA University Online web-based training is stored on a server and accessed across a network via the Internet. Web-based training permits unlimited usage for a single, licensed user.
- The RSTrainer computer-based CD-ROM format permits unlimited usage on a single, licensed computer. Computer-based training does not require an Internet connection; therefore, learning can take place anytime and anywhere a computer is available.

Learning Activities & Features

Rockwell Automation e-Learning courses include the following features:

- Information overviews
- Discussions of basic principles and/or concepts
- Descriptive and detailed technical explanations
- Animated sequences
- Interactive and integrated practice exercises
- Interactive simulations
- Online help
- Index to locate specific course topics
- Embedded Adobe® Acrobat® PDF files of technical manuals
- Links to useful reference material
- Glossary of terms

In addition, the RA University Online web-based training courses offer the following unique features:

- Pre- and post-testing
- Embedded learning management system
- Administrative features

To Purchase

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office.

You can also access course information via the Web at <http://www.rockwellautomation.com/services>

Catalog Numbers

- *RSTrainer for RSLogix 5000 Software – Motion*
9393-RSTLX5KMOT.
- *RSTrainer Enterprise Edition for RSLogix 5000 Software – Motion*
9393-RSTLKMOTENF
- Web-based *RSLogix 5000 Software – Motion* ePass:
WBT1PACK (equivalent to 1 course)

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