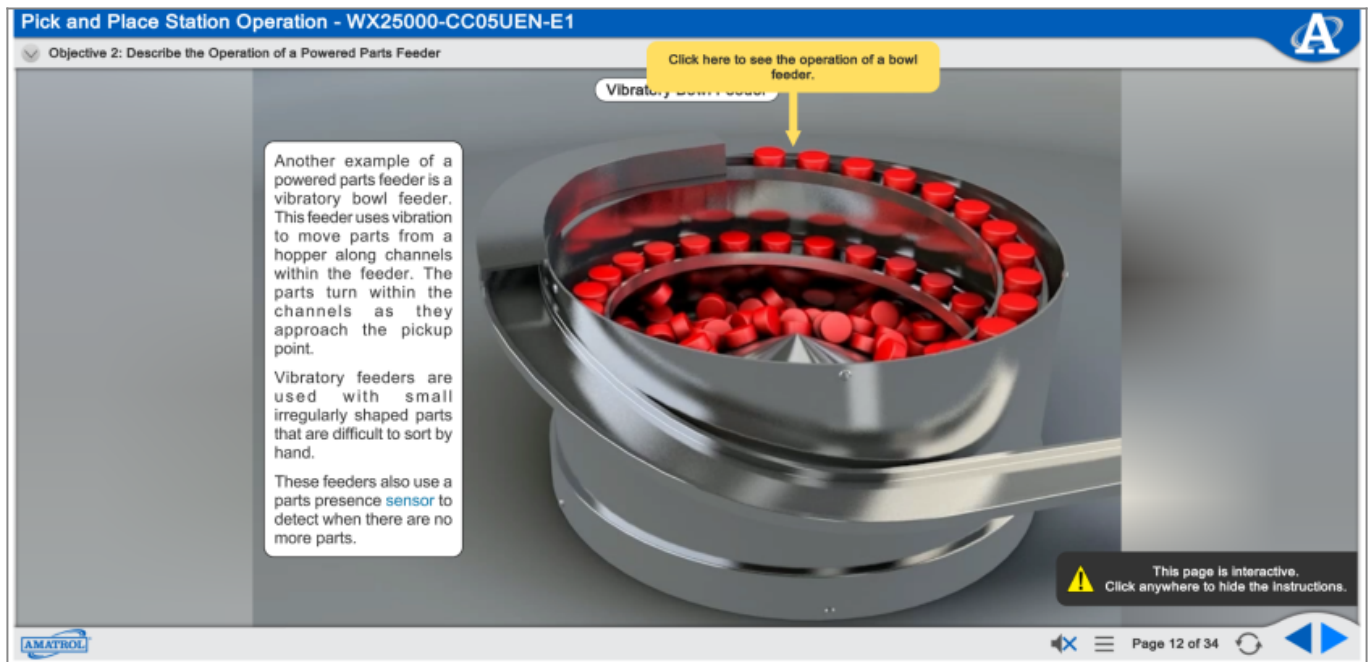


# Mechatronics (Allen-Bradley CompactLogix L16/Studio 5000)| Multimedia Courseware



## eLearning Course: M25000

Mechatronics forms the basis of automated production lines in a wide variety of industries, including the automotive, manufacturing, packaging, and pharmaceutical industries, just to name a few. Amatrol's Multimedia Courseware - Mechatronics (Allen-Bradley CompactLogix L16/Studio 5000) (M25000) teaches learners essential mechatronics concepts applicable throughout modern industry. Learners using Amatrol's mechatronics eLearning course study how to program, operate, and adjust components and applications on an automated production line.

## Mechatronics Learning

Amatrol's eLearning curriculum is unique in that it thoughtfully combines in-depth theoretical knowledge with practical, hands-on skills. This powerful combination of knowledge and skills solidifies understanding and creates a strong foundation for pursuing more advanced skills.

For example, the mechatronics eLearning course covers important topics, such as:

### Automation Operations

Learners begin with an introduction to automation operations. Individual lessons focus on topics like control system concepts, mechatronics safety, and machine operator functions. Learners will also practice skills, such as identifying control system component types, performing a lockout/tagout on a pneumatic system, and powering up an automated machine.

### Pick-and-Place Feeding

Learners using Amatrol's mechatronics eLearning course will study basic principles of pick and place feeding systems. Individual lessons focus on topics like station operation, component adjustment, and module and station sequencing. Learners will also practice skills, such as operating a pick-and-place feeding station, adjusting a shock absorber, and designing a PLC program that sequences a powered parts feeder.

## Electro-Hydraulic Testing

Learners will study various aspects and components of electro-hydraulic testing. Individual lessons focus on topics like electro-hydraulic test system operation, pick-and-place manipulator operation, and electro-hydraulic test station sequencing. Learners will also practice skills, such as programming and operating a programmable electronic pressure sensor, operating an electro-hydraulic test system, and designing a PLC program that sequences a pick-and-place manipulator.

## Multimedia

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Amatrol's Mechatronics Barcode Identification eLearning course curriculum features a highly-interactive multimedia format. Stunning 3D animations, videos, pictures, voiceovers of all text, and interactive quizzes and exercises bring learning to life. Amatrol's multimedia curriculum contains elements that will appeal to every learning style, keeping learners motivated and engaged.

## Anytime, Anywhere Access Promotes Self-Paced Learning

In today's fast-paced, technology-driven world, it's more important than ever to extend the reach of industrial skill training beyond the borders of traditional classrooms. Amatrol's eLearning meets the challenge for flexibility by offering in-depth, comprehensive technical skills training via an intuitive, easy-to-use web-based Learning Management System (LMS).

With anytime, anywhere online access, Amatrol's eLearning allows learners to set their own pace at home, on the job, in a traditional class setting, or a blended approach of these options. Click here to learn more about [Amatrol's eLearning and LMS](#).

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