

Smart Factory Mechatronics RF Identification - AB L16 | Multimedia Courseware

RFID Operation - W33760-AA01XEN-E1

Objective 1: Describe the Function of an RFID System

Identification System Technologies

Radio Frequency Identification 5 of 5

Manufacturing processes often use identification technology to recognize parts as they move through a process. This recognition can be used by a control system to route parts to specific locations in the manufacturing facility, perform custom operations on each part, and collect data about each part's manufacturing history.

Identification technologies in use today include:

- Magnetic card readers
- Barcode readers
- Optical character recognition
- Machine vision
- Radio frequency identification

Next Slide

You have completed this page. You may now continue on through the curriculum.

Page 2 of 31

eLearning Course: M33760

Amatrol's Smart Factory Mechatronics RF Identification - AB L16 eLearning course will help learners to gain an understanding of RFID operation and programming through topics like types and applications of RFID tags, the operation of an RFID system and factors that affect it, the function, operation, and configuration of an I/O-Link Master, and the operation of an RFID function block instruction.

Teach RFID Operation

Industry-Applicable RF Identification Skills

With Amatrol's comprehensive curriculum, learners will study programming and operation of radio frequency identification (RFID) systems and communications between connected automated devices in a [Smart Factory](#) environment. Some essential RF Identification skills taught in this curriculum are configuring an I/O-Link Master in a PLC project and designing a Smart Factory PLC project that uses an RFID system to sort parts.

Interactive eLearning

Engaging, Highly-Interactive Multimedia

Amatrol's curriculum features a highly-interactive, multimedia format that includes stunning 3D graphics and videos, voiceovers of all text, and interactive quizzes and exercises designed to appeal to learners with different learning styles. The combination of theoretical knowledge and hands-on skills solidifies understanding and creates a strong basis for pursuing more advanced skills.

Additional Info

Requires:

- Computer: [See requirements](#)

Options:

- Smart Factory Mechatronics RF Identification Learning System - AB CompactLogix L16 (87-RF1AB53B)
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Address

**Amatrol
2400 Centennial Blvd
Jeffersonville, IN 47130**

Contacts

**email: contact@amatrol.com
phone: (800) 264 8285**