

## Electrical and Controls Module Level 2

# Sortation Subsystems

### General Information

Course Number: M-113  
Format: Instructor led  
Length: 4 hours  
Maximum Students: 8

### Audience

This course is for maintenance technicians, supervisors, and people who support the conveyor system.

### Customer Requirements

A room with a projector and a marking board with markers

### Prerequisites

- A general knowledge of mechanical and electrical systems
- A general knowledge of safety and lockout/tagout procedures
- A working knowledge of tools and test equipment

### Benefits

This course is designed to increase knowledge and skills to verify the function and safely identify sortation subsystem issues.

### Course Objectives

*Upon completion of this course, the student should be able to:*

- Describe the general rules of sortation
- Describe the functions of the different sortation subsystems
- Describe troubleshooting steps for subsystems

### Topics

#### 1. General

*1/2 Hour*

- a. Safety

#### 2. General Sortation Rules

*1/2 Hour*

- a. What is needed to sort

#### 3. Subsystems

*2 1/2 Hour*

- a. Induction
- b. Gapping
- c. Scanning
- d. Tracking

#### 4. Hardware

*1/2 Hour*

- a. PPIs
- b. Photoeyes