

## Operation and Maintenance Training

# SC3 Crossbelt Sorter Controls Operation and Maintenance

### General Information

Course Number: 2-152  
Format: Instructor Led  
Length: 2 days  
Maximum Students: 8

### Audience

This course is for electrical technicians who operate and maintain the SC3 sorter.

### Customer Equipment Requirements

- Dedicated training room with a projector and a white board with markers.
- Access to on-site Dematic equipment.

### Prerequisites

- A general knowledge of electrical systems and drawing sets.
- A general knowledge of safety and lockout/tagout procedures.
- A basic knowledge of electrical test and repair equipment.

### Benefits

Participants in this course will learn to safely perform electrical and controls maintenance procedures. Knowledge gained on common system anomalies can be used to increase system uptime.

### Course Objectives

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

- Use the VDU to diagnose common sorter performance issues.
- Identify operational issues affecting system uptime.
- Identify information and components in the sorter electrical drawings.

- Explain the function of the sorter electrical and controls components.
- Safely perform electrical and controls maintenance procedures on the sorter.

### Topics

#### 1. General

- a. Safety
- b. System Overview
- c. Drawing Sets Reading and Numbering
- d. System Documentation Access and Contents
- e. Identification of Replacement Parts

#### 2. Operation

- a. Start Up and Shut Down
- b. Video Display Unit Overview
- c. Modes

#### 3. Component Maintenance

- a. Drives
- b. Linear Synchronous Motors
- c. Linear Induction Motors
- d. Scanners and Sensors
- e. Communication and Power Components